Activity Screenshots and Help Pages for One Window Reporting of Greenhouse Gas Emissions for Ontario Regulation 452/09

(for December 2009 Guideline)

Ontario Ministry of the Environment
May 2011

Version 1.0

Ontario

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Ontario GHG Reporting – Launching OWNERS

1 Launching the Reporting Module (OWNERS)

1.1 Logging in Secure Services

In your internet browser (Firefox, Internet Explorer, Chrome, etc.), enter the following address: https://ec.ss.ec.gc.ca/

Figure 1.1-1: Welcome Page

Click 'Register' and read the terms and conditions of use on the following webpage.
If you agree, click 'I Accept'.

Government of Canada
Gouvernement du Canada
Canada
Access Key
www.accesskey.gc.ca
Français
Home
Contact Us
Help
Search
canada.gc.ca
Home > Access Key Terms and Conditions of Use
Resource Centre
About Access Key
Definitions
Frequently Asked Questions (FAQs)
Notifications
Proactive Disclosure
Access Key Terms and Conditions of Use
In return for the Government of Canada providing you with an Access Key, you agree to abide by the following Terms and Conditions of Use:
You understand and accept that you are at all times responsible for your Access Key User ID, Password and Recovery Questions, Answers and Hints. If you suspect that others have obtained them, you are responsible for revoking your Access Key and obtaining a new one with a new User ID and Password.
You understand and accept that the Government of Canada can revoke your Access Key for security or administrative reasons.
You understand and accept that the Government of Canada disclaims all liability (except in cases of gross negligence or wilful misconduct) in relation to the use of, delivery of or reliance upon the Access Key service. More details can be found in our Disclaimers.
By clicking the I accept button, you are accepting the Access Key Terms and Conditions as stated above. You can choose to not register for an Access Key by clicking on Cancel to end this process.
I accept
Cancel
Date Modified: 2011-03-09
Top of Page
Important Notices

Figure 1.1-2: Access Key Terms and Conditions of Use

If you accept the terms and conditions of use, you will see a webpage asking you for some information in order to complete the registration for an Access Key.

An Access Key is a unique electronic credential that allows you to communicate securely with online enabled Government programs and services.

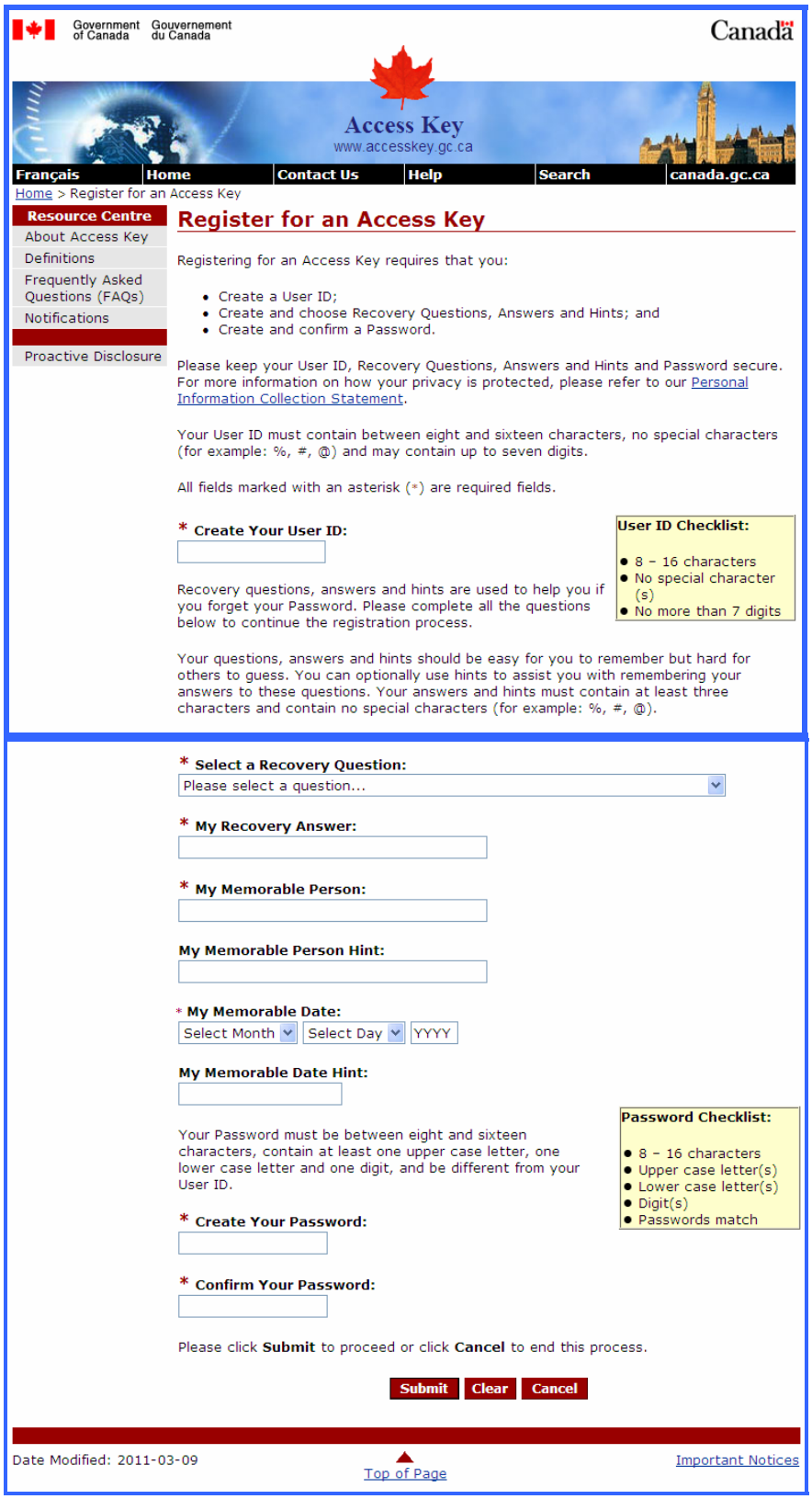

Government of Canada
Gouvernement du Canada
Canada
Access Key
www.accesskey.gc.ca
Français
Home
Contact Us
Help
Search
canada.gc.ca
Home > Register for an Access Key
Resource Centre
About Access Key
Definitions
Frequently Asked Questions (FAQs)
Notifications
Proactive Disclosure
Register for an Access Key
Registering for an Access Key requires that you:
Create a User ID;
Create and choose Recovery Questions, Answers and Hints; and
Create and confirm a Password.
Please keep your User ID, Recovery Questions, Answers and Hints and Password secure. For more information on how your privacy is protected, please refer to our Personal Information Collection Statement.
Your User ID must contain between eight and sixteen characters, no special characters (for example: %, #, @) and may contain up to seven digits.
All fields marked with an asterisk (*) are required fields.
* Create Your User ID:
User ID Checklist:
8 – 16 characters
No special character (s)
No more than 7 digits
Recovery questions, answers and hints are used to help you if you forget your Password. Please complete all the questions below to continue the registration process.
Your questions, answers and hints should be easy for you to remember but hard for others to guess. You can optionally use hints to assist you with remembering your answers to these questions. Your answers and hints must contain at least three characters and contain no special characters (for example: %, #, @).
* Select a Recovery Question:
Please select a question...
* My Recovery Answer:
* My Memorable Person:
My Memorable Person Hint:
* My Memorable Date:
Select Month
Select Day
YYYY
My Memorable Date Hint:
Password Checklist:
8 – 16 characters
Upper case letter(s)
Lower case letter(s)
Digit(s)
Passwords match
Your Password must be between eight and sixteen characters, contain at least one upper case letter, one lower case letter and one digit, and be different from your User ID.
* Create Your Password:
* Confirm Your Password:
Please click Submit to proceed or click Cancel to end this process.
Submit
Clear
Cancel
Date Modified: 2011-03-09
Top of Page
Important Notices

Figure 1.1-3: Register for an Access Key

After you enter the required information and click ‘Submit’, your Access Key account creation will be confirmed with the following message:

Figure 1.1-4: Registration Complete

Clicking ‘Continue’ will take you to the login screen. Alternatively, if you are coming back to the System, enter the following address in your internet browser: https://ec.ss.ec.gc.ca/.

Use your newly-created user ID and password to log in:

Figure 1.1-5: Welcome Page

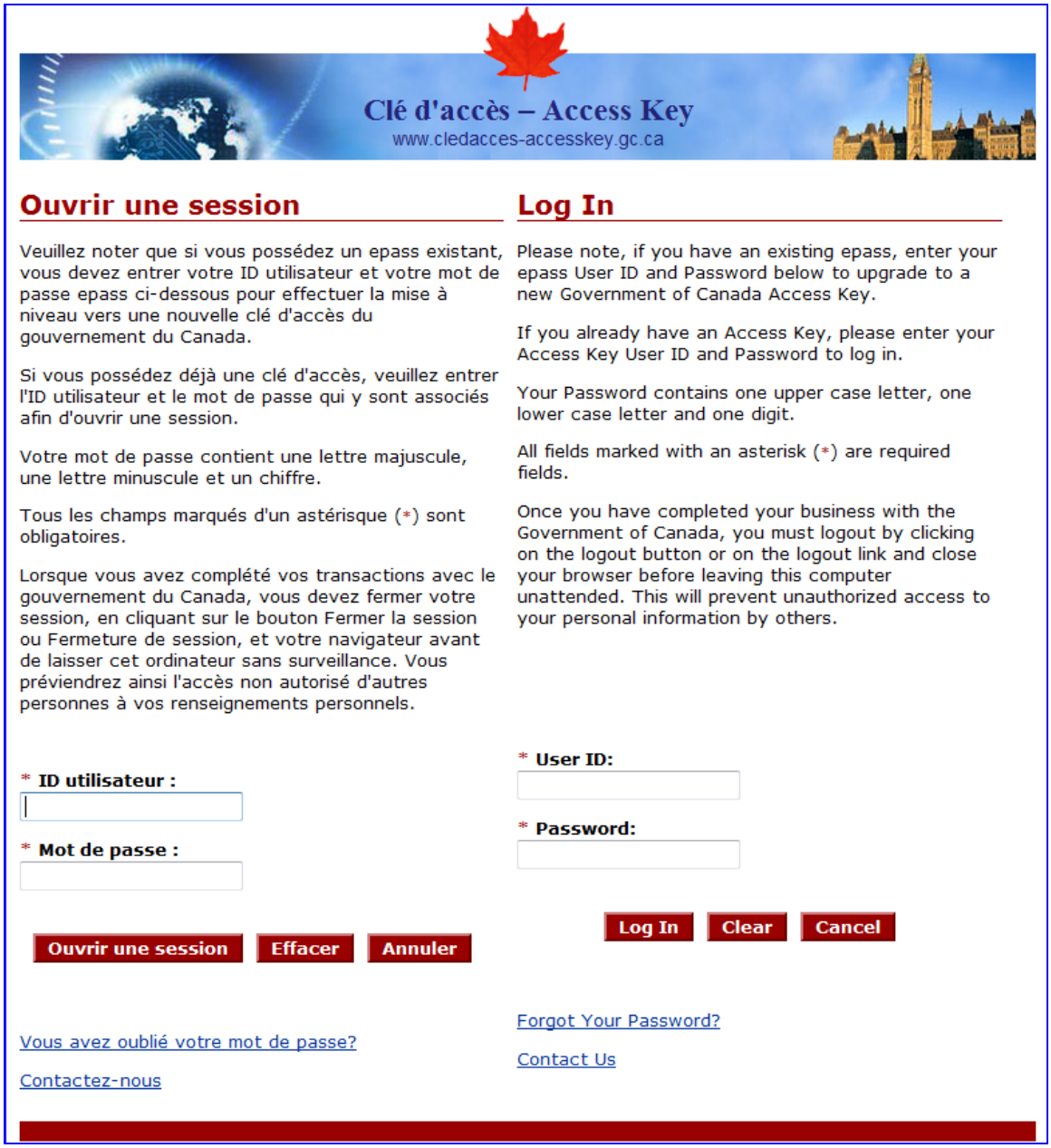

Clé d'accès – Access Key
www.cledacces-accesskey.gc.ca
Ouvrir une session
Veuillez noter que si vous possédez un epass existant, vous devez entrer votre ID utilisateur et votre mot de passe epass ci-dessous pour effectuer la mise à niveau vers une nouvelle clé d'accès du gouvernement du Canada.
Si vous possédez déjà une clé d'accès, veuillez entrer l'ID utilisateur et le mot de passe qui y sont associés afin d'ouvrir une session.
Votre mot de passe contient une lettre majuscule, une lettre minuscule et un chiffre.
Tous les champs marqués d'un astérisque (*) sont obligatoires.
Lorsque vous avez complété vos transactions avec le gouvernement du Canada, vous devez fermer votre session, en cliquant sur le bouton Fermer la session ou Fermeture de session, et votre navigateur avant de laisser cet ordinateur sans surveillance. Vous préviendrez ainsi l'accès non autorisé d'autres personnes à vos renseignements personnels.
* ID utilisateur :
* Mot de passe :
Ouvrir une session
Effacer
Annuler
Vous avez oublié votre mot de passe?
Contactez-nous
Log In
Please note, if you have an existing epass, enter your epass User ID and Password below to upgrade to a new Government of Canada Access Key.
If you already have an Access Key, please enter your Access Key User ID and Password to log in.
Your Password contains one upper case letter, one lower case letter and one digit.
All fields marked with an asterisk (*) are required fields.
Once you have completed your business with the Government of Canada, you must logout by clicking on the logout button or on the logout link and close your browser before leaving this computer unattended. This will prevent unauthorized access to your personal information by others.
* User ID:
* Password:
Log In
Clear
Cancel
Forgot Your Password?
Contact Us

Figure 1.1-6: Log In

Log in and proceed to your start page in Secure Services.

Government of Canada
Gouvernement du Canada
Canada
Access Key
www.accesskey.gc.ca
Français
Home
Contact Us
Help
Search
canada.gc.ca
Home > Welcome
Resource Centre
About Access Key
Definitions
Frequently Asked Questions (FAQs)
Notifications
Proactive Disclosure
Welcome ONGHG_Test1
You last logged in with your Access Key on Thursday, April 14, 2011 at 13:14:23 ET.
Once you have completed your business with the Government of Canada, you must logout by clicking on the logout button or on the logout link and close your browser before leaving this computer unattended. This will prevent unauthorized access to your personal information by others.
Please click Continue to return to the departmental program or service.
Continue
Date Modified: 2011-03-09
Top of Page
Important Notices

Figure 1.1-7: User Welcome Page

Click 'Continue' on the Welcome screen. You will see your start page as a new user in 'Secure Services':

Environment Canada
www.ec.gc.ca
Français
Home
Contact Us
Help
Search
canada.gc.ca
Home
My Profile
Recover Account
Guidance
Logout
Secure Services
We have found that you are not registered under Secure Services. Please follow the steps below in the order that they are presented to gain access to Secure Services and to allow you to submit information under a number of different reporting programs.
New to Secure Services?
1. Create your profile (click on the My Profile button on the left menu bar);
2. Create your organization (click on the Organizations button on the left menu bar);
3. Create the facilities, contacts and parent organizations for your organization (click on the relevant buttons on the left menu bar); and,
4. Proceed to the My Services page to access links to the programs for which your organization is required to report.
Secure Services also provides a feature where you can authorize other users within your organization to gain access to your organization's information and play a role in the reporting process (as long as you have the appropriate permission to do so). To use this feature, click on the Authorization button on the left menu bar. The Request Access and Redeem EC Key items on the left menu bar are used as part of this authorization process.
Returning User with New Epass User ID?
If you already have a Secure Services account but need to recover it with your new Epass, select the Recover Account button on the left menu bar."

Figure 1.1-8: Secure Services

Secure Services is a general module where you can register and modify your company's and facilities' information. You can then access this information in order to submit facility reports under a number of different reporting programs.

Because Secure Services is a module used for many different programs, it uses the more general term 'Organizations'. In this document we treat the term 'Organization' as if it is referring to 'Company' or a corporate person. In addition, the reporting module (OWNERS) uses the term 'Company' to refer to 'Organization' in Secure Services.

Notice that the left-hand menu has only four options. You have to click on 'My Profile' and successfully enter the required information before you can see an expanded menu.

1.2 Completing 'My Profile'

This webpage allows you to enter and edit your name and contact information. This information will also be added as a contact for your company (once you identify your company in the following steps).

Figure 1.2-1: Secure Services – My Profile

Enter your information and click ‘Save’ at the bottom of the page. If you are successful, you will see the left-hand menu expand into a more comprehensive list of options:

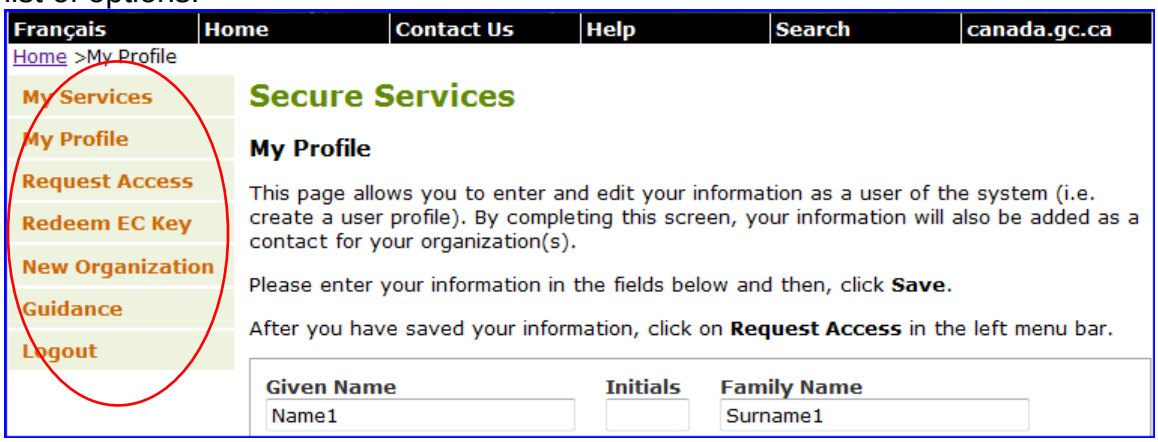

Français
Home
Contact Us
Help
Search
canada.gc.ca
Home >My Profile
My Services
My Profile
Request Access
Redeem EC Key
New Organization
Guidance
Logout
Secure Services
My Profile
This page allows you to enter and edit your information as a user of the system (i.e. create a user profile). By completing this screen, your information will also be added as a contact for your organization(s).
Please enter your information in the fields below and then, click Save.
After you have saved your information, click on Request Access in the left menu bar.
Given Name
Initials
Family Name
Name1
Surname1

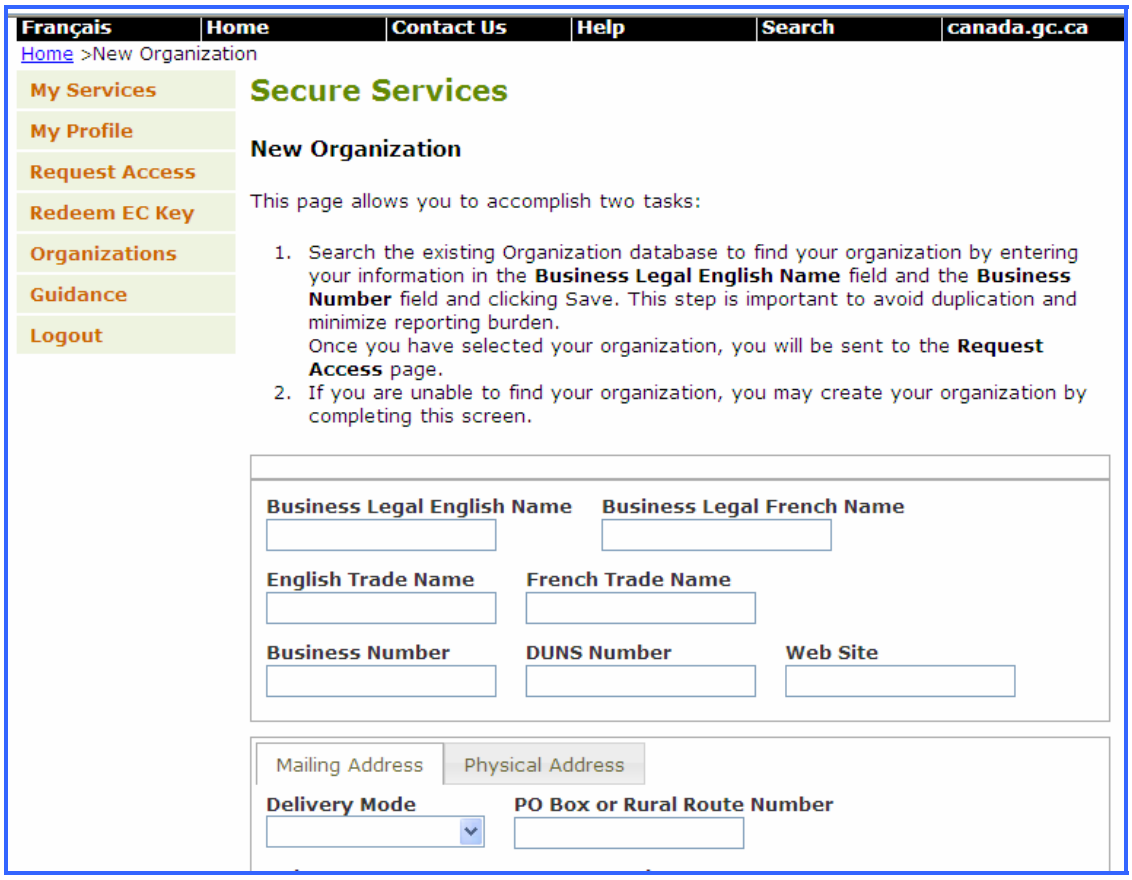
Figure 1.2-2: Secure Services – My Profile List of Options

1.2.1 Existing User

If you were a new user who completed the steps in the previous section, you are now an existing user

1.2.2 Identifying Your Company

Click on ‘New Organization’; you will be taken to the following page:


Français
Home
Contact Us
Help
Search
canada.gc.ca
Home >New Organization
My Services
My Profile
Request Access
Redeem EC Key
Organizations
Guidance
Logout
Secure Services
New Organization
This page allows you to accomplish two tasks:
1. Search the existing Organization database to find your organization by entering your information in the Business Legal English Name field and the Business Number field and clicking Save. This step is important to avoid duplication and minimize reporting burden.
Once you have selected your organization, you will be sent to the Request Access page.
2. If you are unable to find your organization, you may create your organization by completing this screen.
Business Legal English Name
Business Legal French Name
English Trade Name
French Trade Name
Business Number
DUNS Number
Web Site
Mailing Address
Physical Address
Delivery Mode
PO Box or Rural Route Number

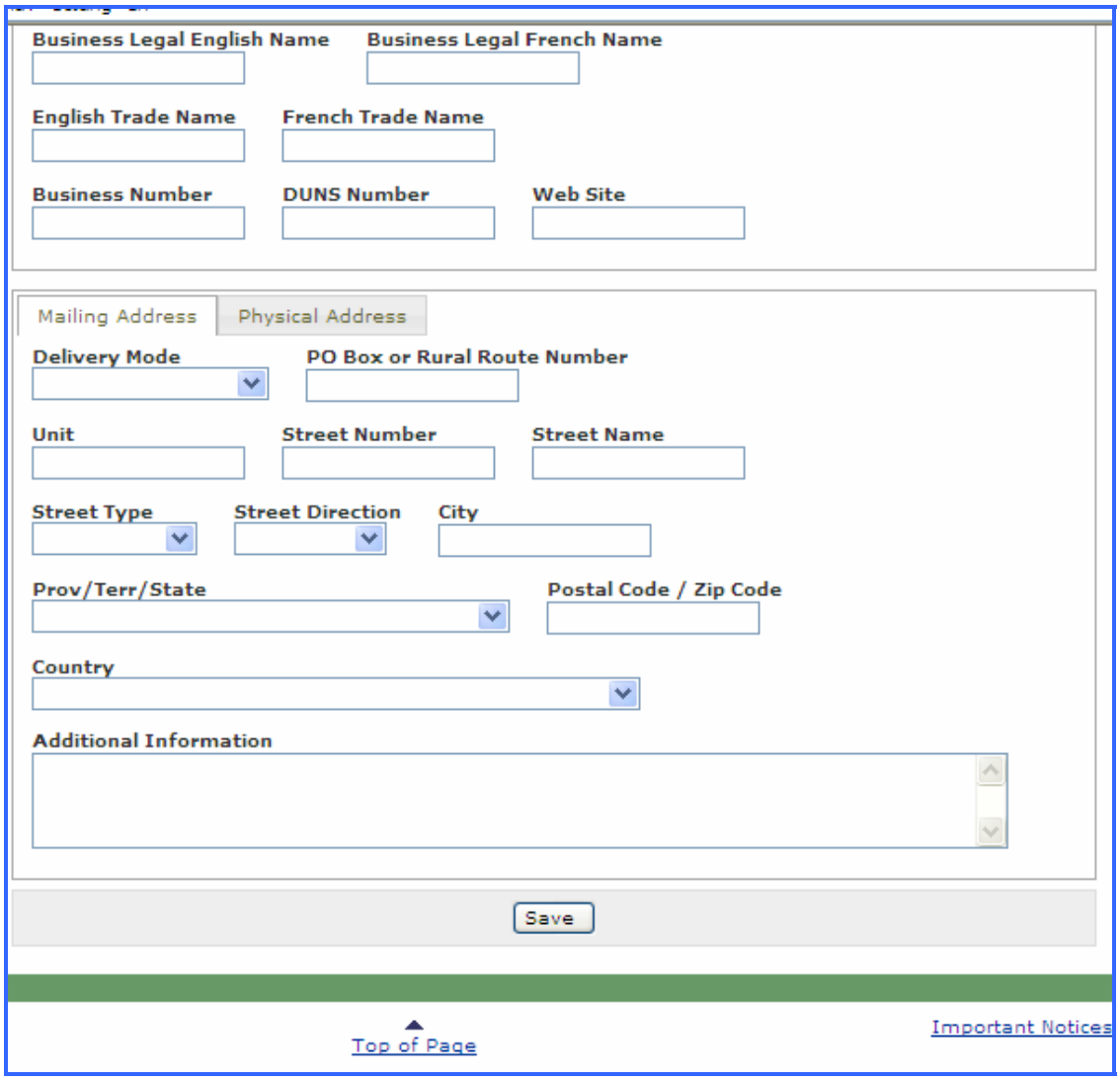


Figure 1.2-3: Secure Services – New Organization

As indicated in the instructions visible in Figure 1.2-3, this page allows you to first search for your company in the existing database by entering the business legal name and the nine-digit business number and clicking ‘Save’.

The business number is a unique nine-digit identifier which businesses acquire in Canada to register program accounts with the Canada Revenue Agency (CRA) such as registering for the GST/HST or filing corporate income tax.

The System searches the database for any matches to either the business legal name or the business number and displays the matches as a list:

Figure 1.2-4: Secure Services – New Organization Search

If your company is not in the database, check '*None of the above*' and complete the new company (organization) information in the form below the list.

Note that after saving your company information, the left-hand menu's 'New Organization' option changes to 'Organizations':

Figure 1.2-5: Secure Services – New Organization Left-hand Menu

To the right of the menu you can see your company name, business number, and the number of facilities registered under this company. If this is a new company that was not in the database, the number of facilities is zero.

1.2.3 Requesting Access to Reporting Programs

In order to maintain the integrity of the System and prevent unauthorized access to company information and fraudulent reporting on behalf of a company, you have to request access to the reporting program you would like to report under for the company and its facilities you selected or created. If you're responsible for entering GHG data on behalf of a facility you will need to request access to the ON Greenhouse Gas Program

Individuals seeking Org Admin access will need to submit a request to the MOE through OWNERS to set this access up. Click on 'Request Access', and choose ON Greenhouse Gas.

Français
Home
Contact Us
Help
Search
canada.gc.ca
Home >Request Access
My Services
My Profile
Request Access
Redeem EC Key
Organizations
Guidance
Logout
Secure Services
Request Access
After you have created a profile, you need to Request Access to an Organization and its Facilities in order to be able to report on these entities. If you have created the Organization, you are still required to Request Access to the reporting Programs.
There are two ways to request access:
1. First you should request an EC key from your Organization's Administrator. You will need to communicate directly with this person to obtain your key.
2. If you are unable to obtain an EC key from your Organization's Administrator, please complete the steps below to obtain access from Environment Canada directly.
To Request Access:
1. Select the Program you will be reporting to. Please note you can only select one Program at a time.
2. Select your Role within the Organization.
3. Search for your Organization, and select it from the search results.
Select Program:
Greenhouse Gas Reporting Program
National Pollutant Release Inventory
BC Greenhouse Gas
ON Greenhouse Gas
Renewable Fuels Regulations Electronic Reporting System

Figure 1.2-6: Secure Services – Requesting Access to Reporting Programs

The next webpage allows you to select the level of access you are requesting:

Home >Request Access
My Services
My Profile
Request Access
Redeem EC Key
Organizations
Guidance
Logout
Secure Services
Program Name ON Greenhouse Gas
Select Role:
Organization Administrator
Manage all organization information and may grant access to other users
Facility Administrator
Manage organization and selected facilities information and may grant access to other users
Facility Data Entry
Manage organization and selected facilities information (cannot grant access)
Signing Authority
View only access to organization and selected facilities information
Read Only
View only access to organization and selected facilities information

Figure 1.2-7: Secure Services – Select Role

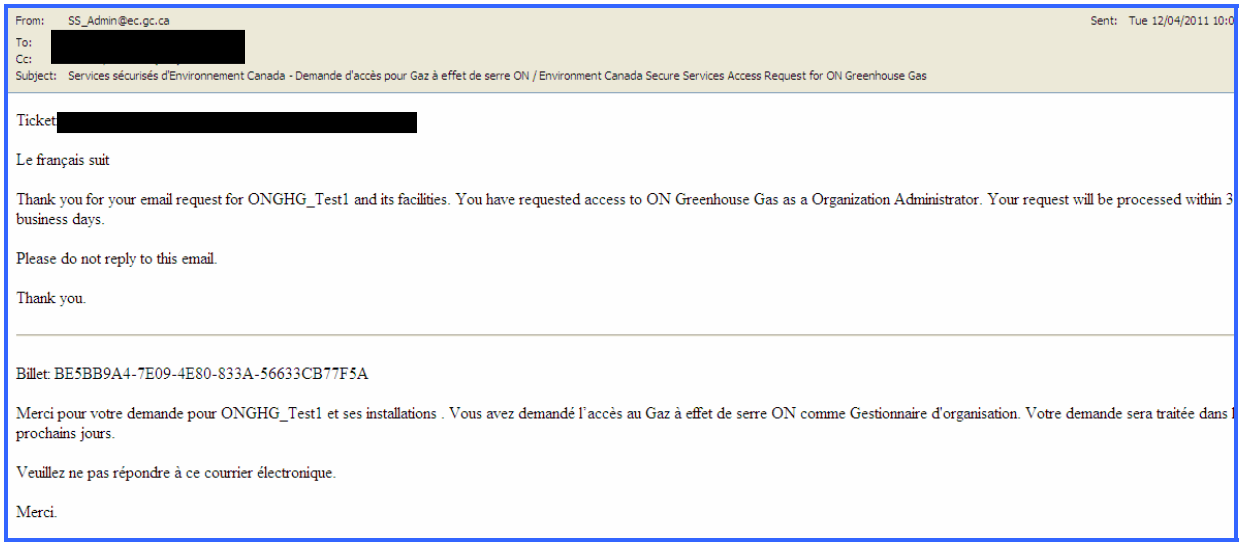
Figure 1.2-8: Secure Services – Request Access Page

Figure 1.2-9: Secure Services – Request Access Search

Click on the link 'ONGHG_Test1'. You will be taken to a confirmation page:

Figure 1.2-10: Secure Services – Request Access Success

You will receive shortly a confirmation email from SS_Admin@ec.gc.ca acknowledging your request for the reporting program and the role you selected; the email will be sent to the email address you provided on 'My Profile' and will read approximately as follows:



From: SS_Admin@ec.gc.ca Sent: Tue 12/04/2011 10:0
To: [redacted]
Cc:
Subject: Services sécurisés d'Environnement Canada - Demande d'accès pour Gaz à effet de serre ON / Environment Canada Secure Services Access Request for ON Greenhouse Gas

Ticket[redacted]

Le français suit

Thank you for your email request for ONGHG_Test1 and its facilities. You have requested access to ON Greenhouse Gas as a Organization Administrator. Your request will be processed within 3 business days.

Please do not reply to this email.

Thank you.

Billet: BE5BB9A4-7E09-4E80-833A-56633CB77F5A

Merci pour votre demande pour ONGHG_Test1 et ses installations . Vous avez demandé l'accès au Gaz à effet de serre ON comme Gestionnaire d'organisation. Votre demande sera traitée dans l prochains jours.

Veuillez ne pas répondre à ce courrier électronique.

Merci.

Figure 1.2-11: Email from Environment Canada Secure Services Access

Your request is forwarded to Ontario Government staff for consideration and approval.
Within three business days, you will receive another email from SS_Admin@ec.gc.ca containing an 'EC Key' – an alpha-numeric sequence – that you can redeem in the System. The email will read approximately as follows:

From: SS_Admin@ec.gc.ca Sent[redacted]
To: [redacted]
Cc:
Subject: Environment Canada Secure Services Access Request fo[redacted]

[redacted] Your request has been approved for access t[redacted] and its facilities for tl **ON Greenhouse Gas program** a Organization Administrator.

To complete the access request, log in to Environment Canada's Secure Services, go to "Redeem EC Key" screen and enter your EC Key: [redacted].

Thank you
Environment Canada Secure Services support team

Figure 1.2-12: Email from Environment Canada Secure Services Access

Individuals seeking Facility Admin access will need to ask their Org Admin directly to set this access up.

Individuals seeking Facility Data Entry access (or any of the other remaining roles) will need to ask their Facility Admin or Org Admin directly to set this access up.

You are responsible for obtaining your organization's permission for the appropriate level access.

1.3 Redeeming EC Key

You would have received an EC Key to redeem. Log in into the System and click on 'Redeem EC Key':

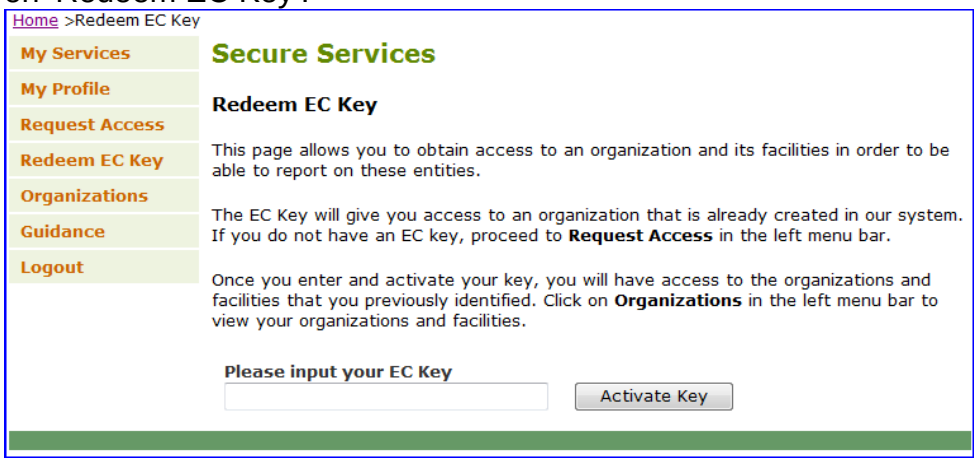

Home >Redeem EC Key
My Services
My Profile
Request Access
Redeem EC Key
Organizations
Guidance
Logout
Secure Services
Redeem EC Key
This page allows you to obtain access to an organization and its facilities in order to be able to report on these entities.
The EC Key will give you access to an organization that is already created in our system. If you do not have an EC key, proceed to Request Access in the left menu bar.
Once you enter and activate your key, you will have access to the organizations and facilities that you previously identified. Click on Organizations in the left menu bar to view your organizations and facilities.
Please input your EC Key
Activate Key

Figure 1.3-1: Secure Services – Redeem EC Key

Input the EC Key and click 'Activate Key'.

You are now authorized to use the System for your company and facilities in the ON GHG reporting program, at the level of access your role allows for:

Environment Canada
Environnement Canada
Canada
Environment Canada
www.ec.gc.ca
Français
Home
Contact Us
Help
Search
canada.gc.ca
Home
My Services
My Profile
Request Access
Redeem EC Key
Organizations
Guidance
Logout
Secure Services
Welcome Bob Tester to Environment Canada Secure Services. Secure Services provides a common portal to facilitate reporting of administrative information to multiple programs.
This service allows you to manage information and user access for your organizations, facilities and contacts. Where possible, we have carried forward information from previous reporting years and past collection systems. It is important that you review this information for accuracy prior to launching one of the services below as this information will be submitted along with your report.
For help using Secure Services, please refer to Guidance.
If your organization has previously reported to any of the programs listed below, you can gain access to your existing administrative information by requesting access or redeeming an EC key. Please click on the appropriate left menu item to continue.
Once you have created an organization or been granted access to an organization, verify that the administrative information is complete and accurate, and proceed by launching one of the services listed below to complete your reporting.
Services
Note: Prior to launching one of the services listed below, verify and update your organization, facility and contact information we have on file in EC Secure Services by clicking on the appropriate items on the left menu.
OWNERS
OWNERS is an on-line reporting mechanism used by Environment Canada, provincial and municipal governments and private sector organizations to collect environmental data from industry.
Greenhouse Gas reporting to Environment Canada, Alberta Environment, Ontario Ministry of the Environment, and British Columbia Ministry of Environment
Reporting to the National Pollutant Release Inventory (NPRI) Ontario Ministry of the Environment for the Toxics Reduction Act, Ontario Ministry of the Environment for the Airborne Contaminant Discharge Monitoring and Reporting Regulation, Chemistry Industry Association of Canada for the National Emission Reduction Masterplan survey, Alberta Environment for the Environmental Protection and Enhancement Act, and National Framework for Petroleum Refinery Emission Reductions.

Figure 1.3-2: Secure Services – Welcome Page

Notice that the first option on your left-hand menu is '*My Services*' and that your start page lists OWNERS under the 'Services' heading on the page. This indicates that you have appropriate access to the reporting module. '*My Services*' and the link '*Home*' above it both point to your start page in Secure Services and clicking them displays the same webpage as the one you see in Figure 1.3-2.

1.4 Entering/Editing Company Information

Click on 'Organizations' and then on your company's name:

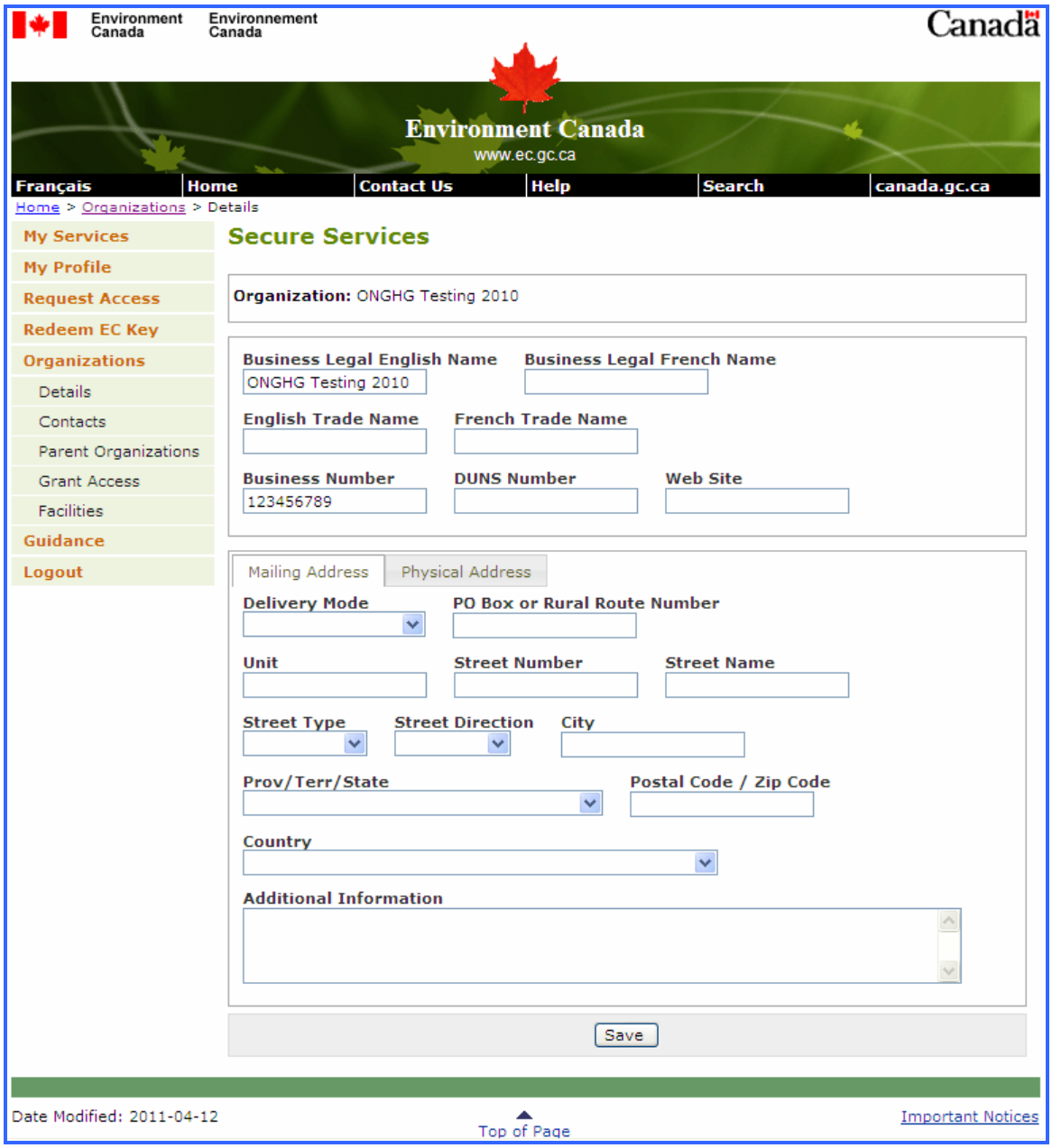


Figure 1.4-1: Secure Services – Entering/Editing Company Information

A new menu under 'Organizations' becomes visible, and the webpage displayed is the first option from that menu – 'Details' – for viewing and modifying your company information.

1.4.1 Contacts

Click on 'Contacts' and enter additional contacts. Later you would be able to choose, from the contacts you enter here, contact information for each facility.

Environment Canada
Environnement Canada
Canada
Environment Canada
www.ec.gc.ca
Français
Home
Contact Us
Help
Search
canada.gc.ca
Home > Organizations > Contacts
My Services
My Profile
Request Access
Redeem EC Key
Organizations
Details
Contacts
Parent Organizations
Grant Access
Facilities
Guidance
Logout
Secure Services
Organization: ONGHG Testing 2010
Contacts
This page allows you to enter and edit information regarding contacts and representatives within a reporting organization. This list of contacts will be used later in the reporting process to allow reporting of contact information that is required under a specific program or programs. For details on the specific contact types that are required to be reported under a particular reporting program, please refer to Guidance for additional support.
If there are additional contacts for this organization, click on the Add a New Contact button to create them. If the contact already has a Secure Services account with Environment Canada, please use the Authorization feature to create an EC Key for them.
Name
Email
Telephone
Bob Tester
bob.tester@ontario1.ca
123-555-6666
Add a New Contact

Figure 1.4-2: Secure Services – Adding a Contact

1.4.2 Parent Organizations

Click on 'Parent Organizations.' Click on 'Add a New Parent Organization' and enter the required information for all parent companies, Canadian and foreign:

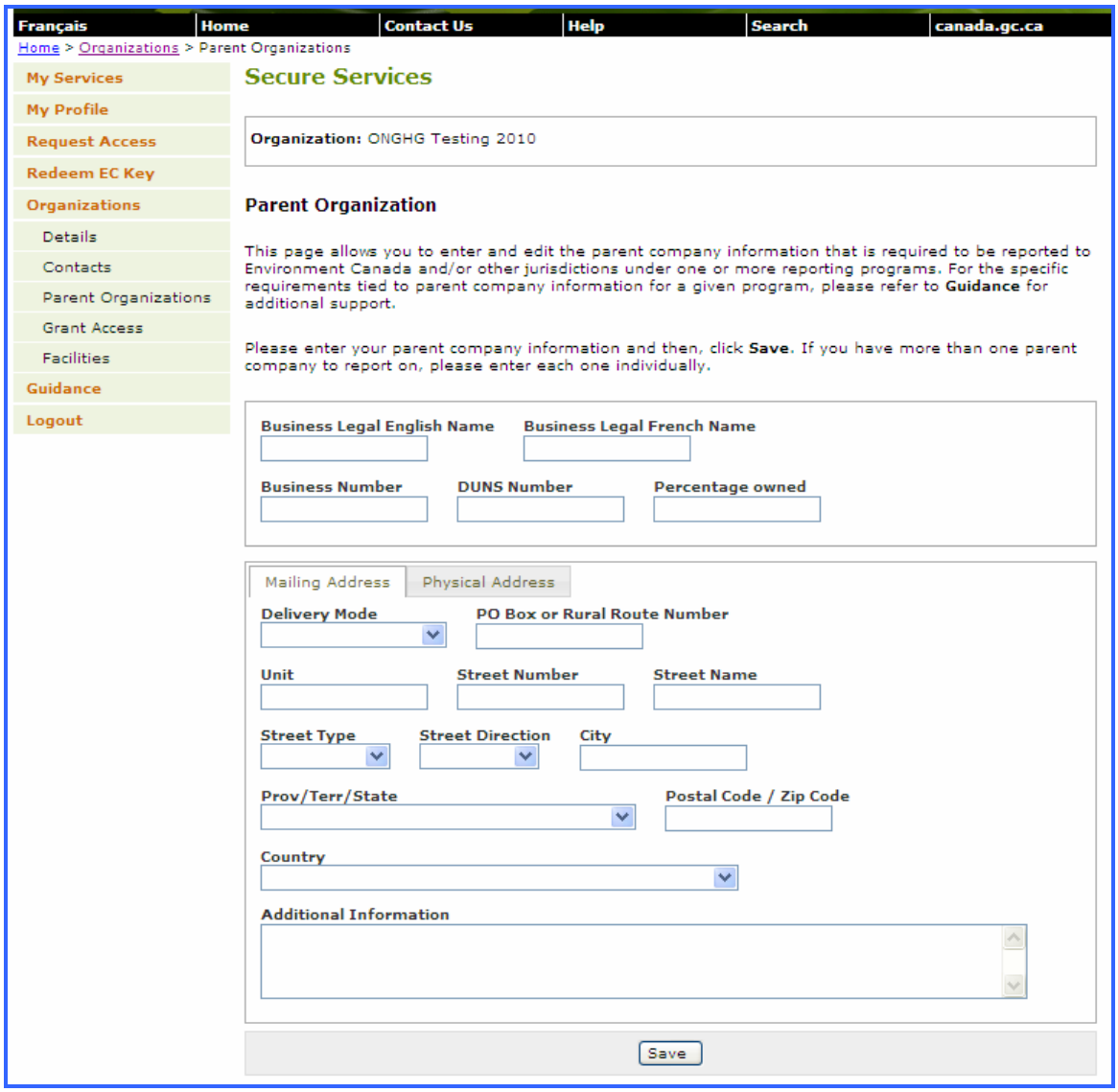


Figure 1.4-3: Secure Services – Parent Organization

1.4.3 Facilities

Click on ‘Facilities’:

Figure 1.4-4: Secure Services – Adding a New Facility

Enter the required administrative information for all facilities that require separate reports.

Click on ‘Add a New Facility’ and enter the required information.

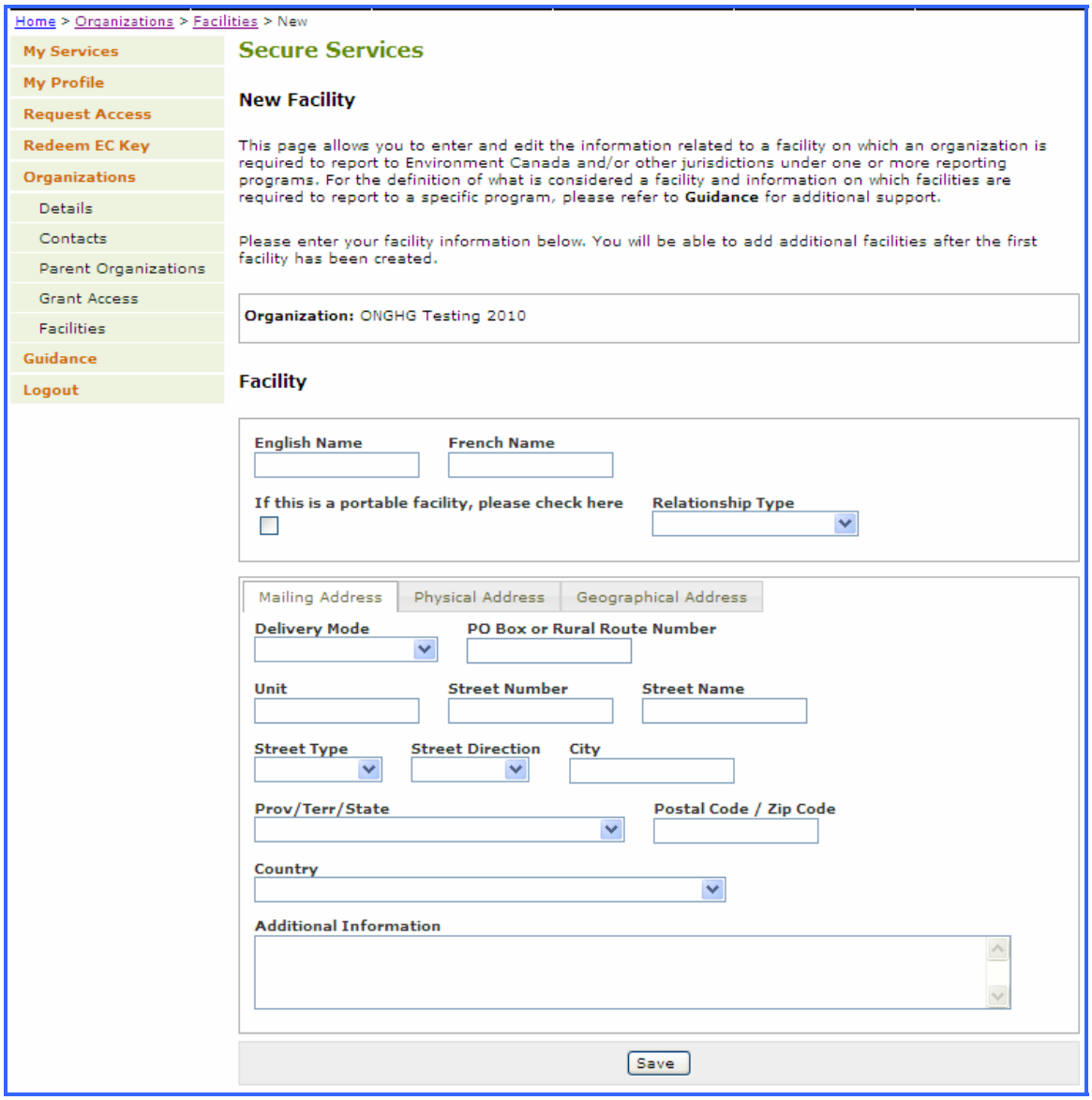

Home > Organizations > Facilities > New
My Services
My Profile
Request Access
Redeem EC Key
Organizations
Details
Contacts
Parent Organizations
Grant Access
Facilities
Guidance
Logout
Secure Services
New Facility
This page allows you to enter and edit the information related to a facility on which an organization is required to report to Environment Canada and/or other jurisdictions under one or more reporting programs. For the definition of what is considered a facility and information on which facilities are required to report to a specific program, please refer to Guidance for additional support.
Please enter your facility information below. You will be able to add additional facilities after the first facility has been created.
Organization: ONGHG Testing 2010
Facility
English Name
French Name
If this is a portable facility, please check here
Relationship Type
Mailing Address
Physical Address
Geographical Address
Delivery Mode
PO Box or Rural Route Number
Unit
Street Number
Street Name
Street Type
Street Direction
City
Prov/Terr/State
Postal Code / Zip Code
Country
Additional Information
Save

Figure 1.4-5: Secure Services – Adding a New Facility Mailing Address

On the 'Geographical Address' tab, enter geographical coordinates for the facility as decimal degrees in the format specified. Latitude is entered as decimal degrees North, and Longitude is entered as decimal degrees West, to five significant digits after the decimal point.

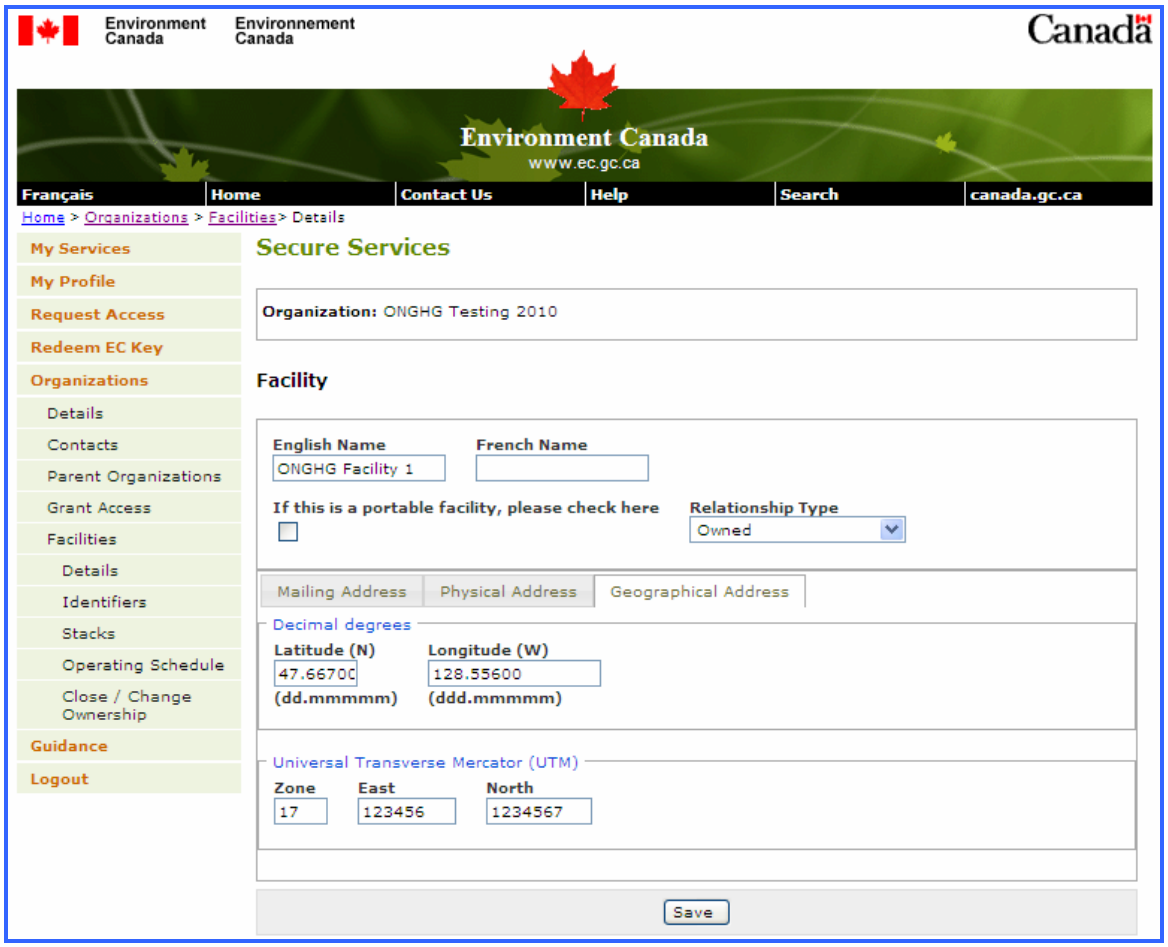


Figure 1.4-6: Secure Services – Adding a New Facility Geographical Address

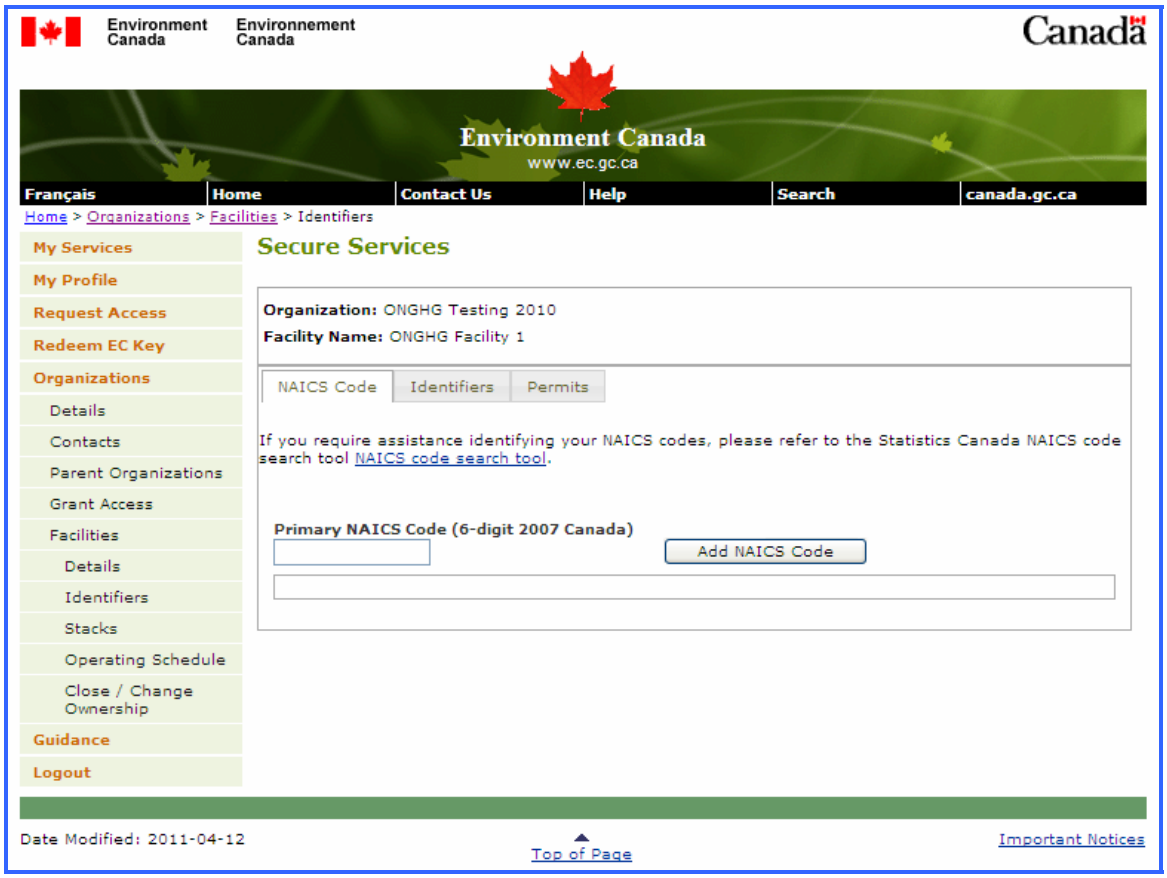


Figure 1.4-7: Secure Services – Adding a NAICS Code

Click on ‘Identifiers’ in the Facilities sub-menu and make sure to enter a valid NAICS code on the ‘NAICS Code’ tab. If more than one code applies to your facility, enter them one by one in descending order of priority by using the ‘Add NAICS Code’ button.

On the ‘Identifiers’ tab, enter the National Pollutant Release Inventory ID and the Dun and Bradstreet Number if applicable and required.

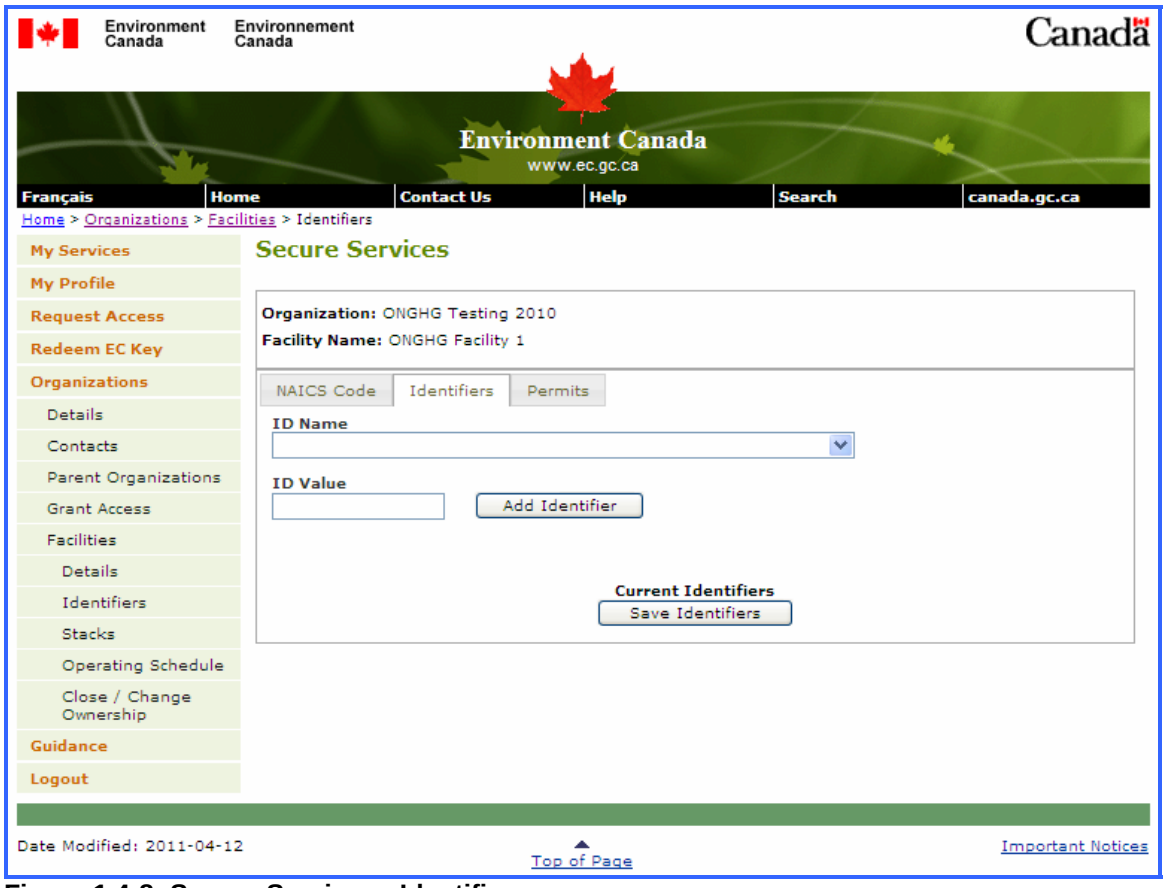


Figure 1.4-8: Secure Services - Identifiers

Click ‘Save Identifiers’ before you move to the next tab.

On the ‘Permits’ tab, you are not required enter all permits information but you may do so if you choose.

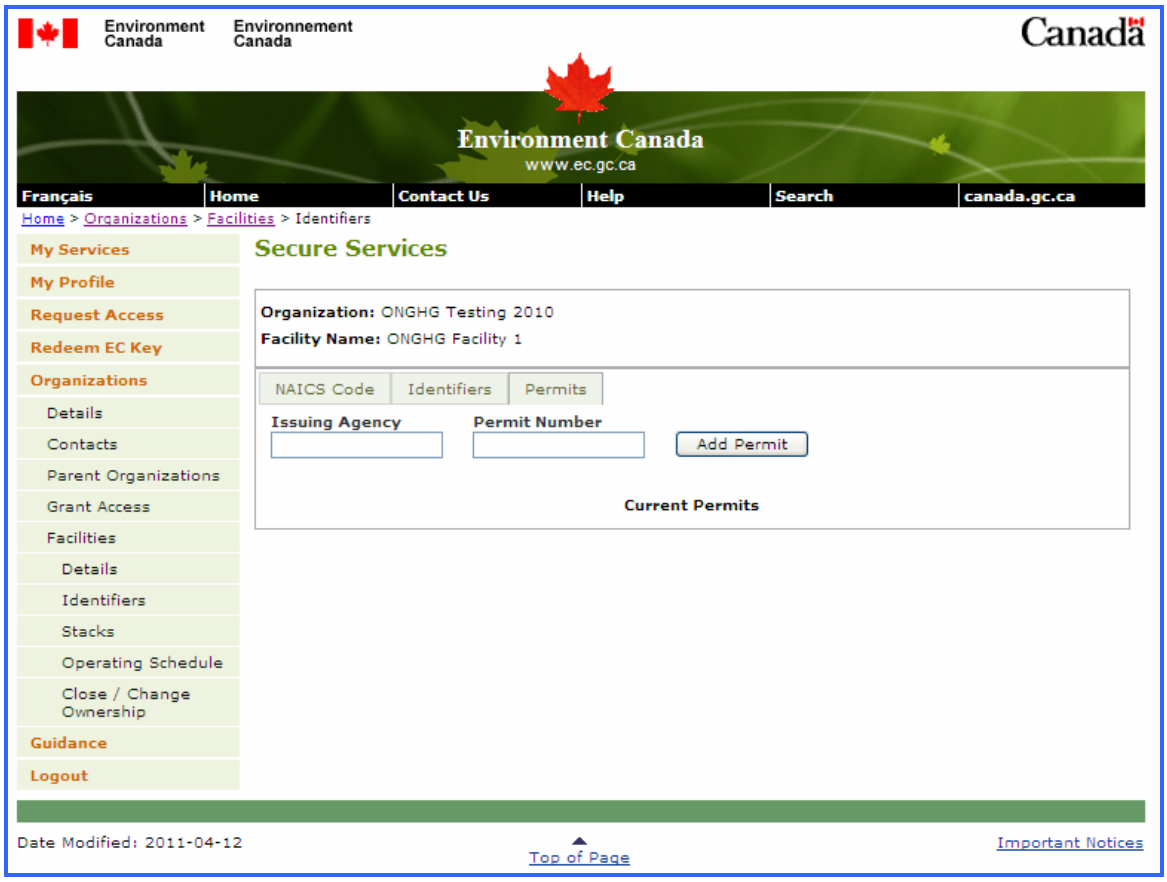


Figure 1.4-9: Secure Services – Adding a Permit

Click ‘Save’ before you move to the next tab.

1.5 Granting Access to Others

If you are your company’s Organization Administrator or your facility’s Facility Administrator, and an individual from the company or facility that you manage in your role as administrator is requesting access from you to the System, click on ‘Grant Access’ under ‘Organizations’ for your company and select the applicable reporting program.

Figure 1.5-1: Secure Services – Grant Access

Then follow the instructions to grant the appropriate level of access:

Figure 1.5-2: Secure Services – Selecting a Role

If applicable, you may have to select the appropriate facility or facilities on the next page, then click ‘Continue’.

Eventually you will be taken to the key generation page:

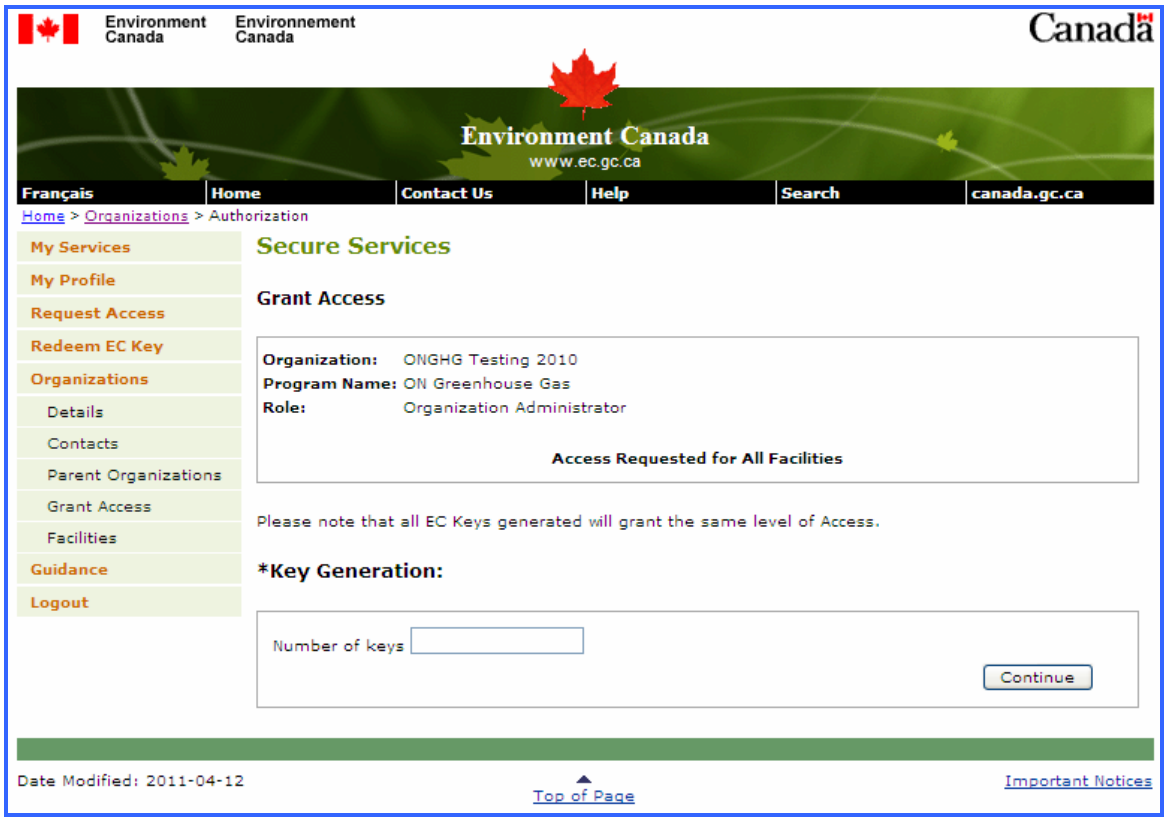


Figure 1.5-3: Secure Services – Grant Access Key Generation

Review the summary and then enter a number in the box ‘Number of Keys’. If you only need to generate one EC Key with the granting access parameters summarized on the page, enter ‘1’.

Press ‘Continue’. A list of EC Keys is generated:

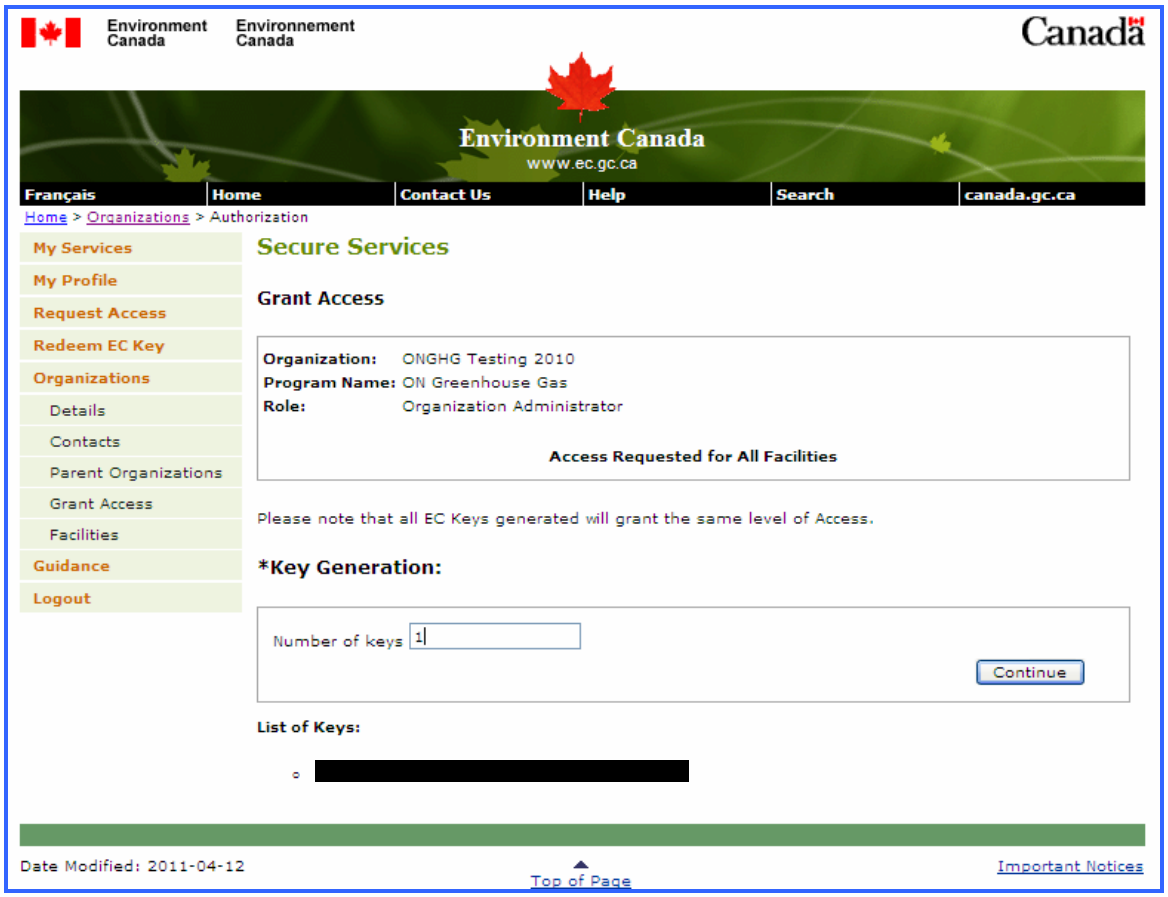


Figure 1.5-4: Secure Services – Grant Access Key Generation

You can now copy and paste the EC Key in an email, or otherwise communicate it, to the individual from your company who requested access from you. The individual will be able to log in and redeem the EC Key, and receive access immediately, without waiting for approval from government staff.

2 Selecting Your Reporting Program

Click on ‘OWNERS’ – either the image or the link.

Environment Canada
Environnement Canada
Canada
Environment Canada
www.ec.gc.ca
Français
Home
Contact Us
Help
Search
canada.gc.ca
Home
My Services
My Profile
Request Access
Redeem EC Key
Organizations
Guidance
Logout
Secure Services
Welcome Bob Tester to Environment Canada Secure Services. Secure Services provides a common portal to facilitate reporting of administrative information to multiple programs.
This service allows you to manage information and user access for your organizations, facilities and contacts. Where possible, we have carried forward information from previous reporting years and past collection systems. It is important that you review this information for accuracy prior to launching one of the services below as this information will be submitted along with your report.
For help using Secure Services, please refer to Guidance.
If your organization has previously reported to any of the programs listed below, you can gain access to your existing administrative information by requesting access or redeeming an EC key. Please click on the appropriate left menu item to continue.
Once you have created an organization or been granted access to an organization, verify that the administrative information is complete and accurate, and proceed by launching one of the services listed below to complete your reporting.
Services
Note: Prior to launching one of the services listed below, verify and update your organization, facility and contact information we have on file in EC Secure Services by clicking on the appropriate items on the left menu.
OWNERS
OWNERS is an on-line reporting mechanism used by Environment Canada, provincial and municipal governments and private sector organizations to collect environmental data from industry.
Greenhouse Gas reporting to Environment Canada, Alberta Environment, Ontario Ministry of the Environment, and British Columbia Ministry of Environment
Reporting to the National Pollutant Release Inventory (NPRI) Ontario Ministry of the Environment for the Toxics Reduction Act, Ontario Ministry of the Environment for the Airborne

Figure 1.5-1: Secure Services Welcome Page

The OWNERS reporting module is launched and the following start page is displayed:

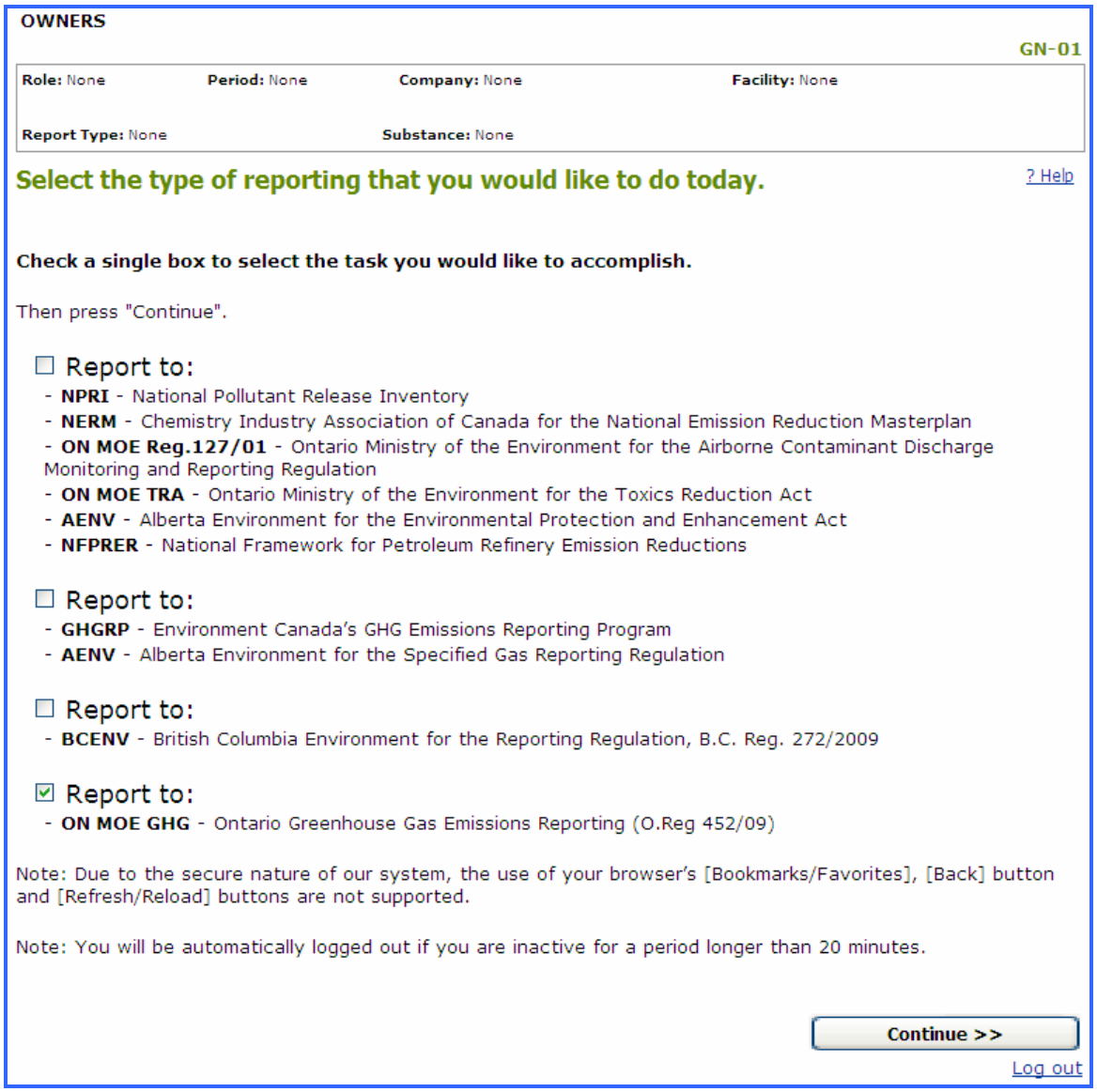

OWNERS
GN-01
Role: None
Period: None
Company: None
Facility: None
Report Type: None
Substance: None
Select the type of reporting that you would like to do today.
? Help
Check a single box to select the task you would like to accomplish.
Then press "Continue".
Report to:
- NPRI - National Pollutant Release Inventory
- NERM - Chemistry Industry Association of Canada for the National Emission Reduction Masterplan
- ON MOE Reg.127/01 - Ontario Ministry of the Environment for the Airborne Contaminant Discharge Monitoring and Reporting Regulation
- ON MOE TRA - Ontario Ministry of the Environment for the Toxics Reduction Act
- AENV - Alberta Environment for the Environmental Protection and Enhancement Act
- NFPRER - National Framework for Petroleum Refinery Emission Reductions
Report to:
- GHGRP - Environment Canada's GHG Emissions Reporting Program
- AENV - Alberta Environment for the Specified Gas Reporting Regulation
Report to:
- BCENV - British Columbia Environment for the Reporting Regulation, B.C. Reg. 272/2009
Report to:
- ON MOE GHG - Ontario Greenhouse Gas Emissions Reporting (O.Reg 452/09)
Note: Due to the secure nature of our system, the use of your browser's [Bookmarks/Favorites], [Back] button and [Refresh/Reload] buttons are not supported.
Note: You will be automatically logged out if you are inactive for a period longer than 20 minutes.
Continue >>
Log out

Figure 1.5-2: Selecting Your Program

Select the checkbox 'Report to ON MOE GHG' for the Ontario GHG Reporting (O.Reg.452/09) and click 'Continue'. For more information, refer to the Help File – *Select the type of reporting that you would like to do today*.

Note the message that you will be automatically logged out of the System if you are inactive for more than 20 minutes. This does not mean that the System logs you out after 20 minutes – that would only happen if you had not typed or clicked on anything for 20 minutes.

2.1 Select Reporting Period

If you selected the checkbox 'Report to ON MOE GHG' for the Ontario GHG reporting (O.Reg.452/09) and clicked 'Continue', you will be prompted to select

the reporting period. For more information, refer to the Help File – *Select Reporting Period*.

Figure 2.1-1: Selecting Reporting Period

2.2 Defining Reporting Operations and Facilities

2.2.1 Selecting a Company

After you click on 'Select Reporting Period' and then on 'Continue', the following page is displayed:

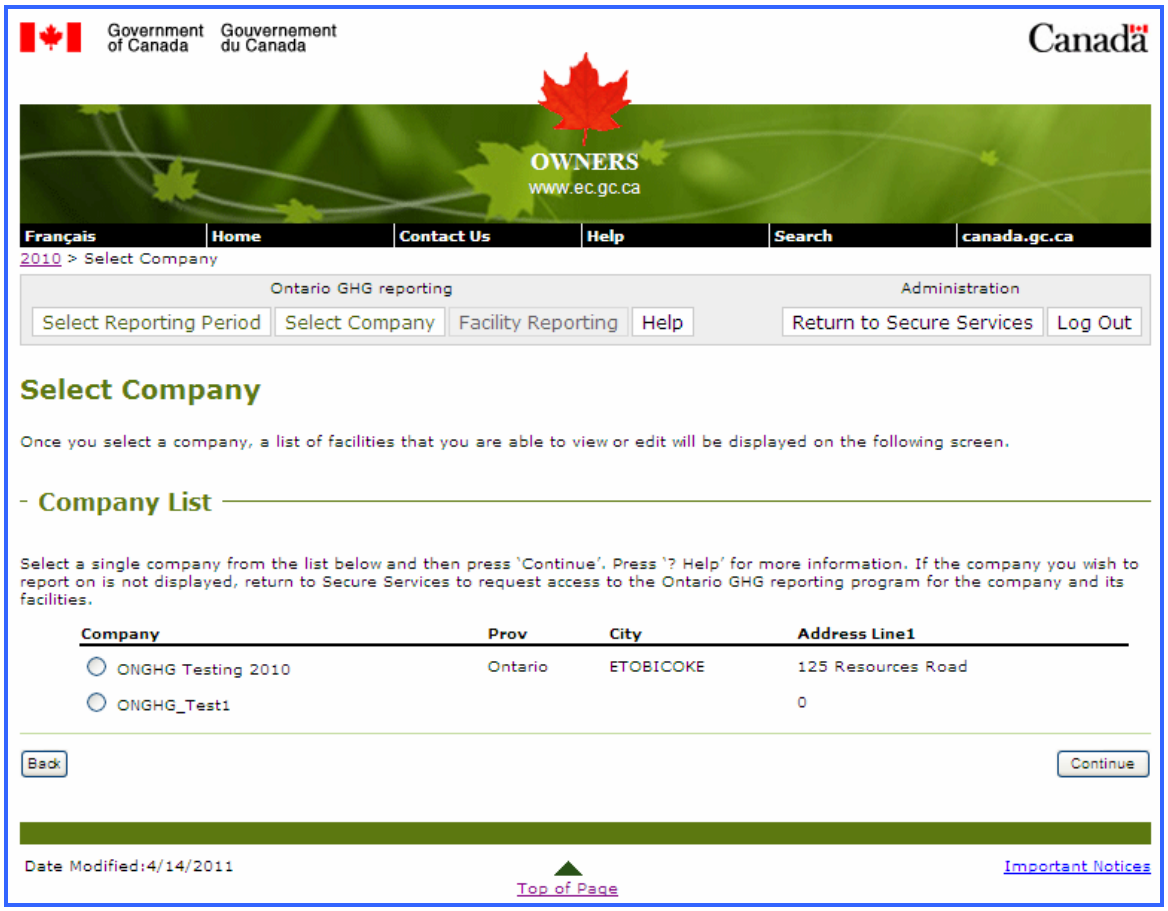


Figure 2.2-1: Selecting Company

Only the company you are authorized for would be present on the list. You may only report for one company at a time. If changes or corrections are required to your company's information, you may edit this information by clicking 'Return to Secure Services' on the top menu under Administration. For more information, refer to Help File – *Select Company*.

2.2.2 Selecting a Facility

The page for selecting a facility is displayed:

Government of Canada
Gouvernement du Canada
Canada
OWNERS
www.ec.gc.ca
Français
Home
Contact Us
Help
Search
canada.gc.ca
2010 > ONGHG_Test1 > Facility Reporting
Ontario GHG reporting
Administration
Select Reporting Period
Select Company
Facility Reporting
Help
Return to Secure Services
Log Out
Facility Reporting
The list below contains the facilities you have access to under the selected company. A set of actions is available for each facility. The available actions change depending on the report status. Select the facility to report on using the selection button, choose an action, and click Continue to proceed. If a facility is missing from the list, return to Secure Services to add it or request access to report to Ontario GHG reporting for it. Click 'Help' above for more information.
Company
ONGHG_Test1 (ONGHG_FAC_ADMIN)
0
Facility List
Facility
Report Status
Action(s)
Facility1 (ONGHG_FAC_ADMIN)
77 Wellesley Street Toronto(Ontario)
Complete (3/3)
Edit
Back
Continue
Date Modified:4/14/2011
Top of Page
Important Notices

Figure 2.2-2: Facility Reporting

Only the facilities you are authorized for would be present on the list (if you are the Organization Administrator, you would be able to see all facilities entered in Secure Services for your company). Choose an action for that facility.
You may only submit one report per facility. Depending on where you are at with your reporting, whether you are just starting, have saved and are continuing from where you left off, or submitting, it will provide you with different actions you may select in the drop down box. To start a new report select the button for the facility, '*Create*' from the drop down box and continue.

For more information, refer to Help File – *Facility Reporting*.

If you're updating a report that has already been submitted, you're required to provide the reason this report is being updated. The verification statement should be re-submitted with the updated report.

Next you need to identify the appropriate facility contacts – the drop down list for each contact type is populated with the names you have entered as contacts in

secure services. If you notice a name missing at this time you may use the return to secure services button at the top menu and add that contact – then return to OWNERS. Select '*Save*' before moving from this page to preserve your data:

- Technical Contact
- Certifying Official
- Company Coordinator (optional)
- Public Contact (optional)
- Contractor Contact (optional)

If you have not started a report yet for this facility, these fields will be empty. Selecting facility contacts is part of creating a facility report and is a function accessible in OWNERS. For more information, refer to Help File – *Select the Facility Contacts*.

Figure 2.2-3: Selecting the Facility Contacts

If you need to make changes to the administrative information other than facility contacts, click on ‘Return to Secure Services’ on the top menu under Administration.

Once you finish viewing all facility information, you can click ‘Save’ and then ‘Continue’ to continue to reporting pages.

Ontario GHG Reporting – Sources and Quantification Methodologies

3 Identifying GHG Sources and Quantification Methodologies

3.1 Sources and Quantification Methodologies

If you have finished Launching OWNERS in Section 1, you are now ready to proceed with filling out the emissions report.

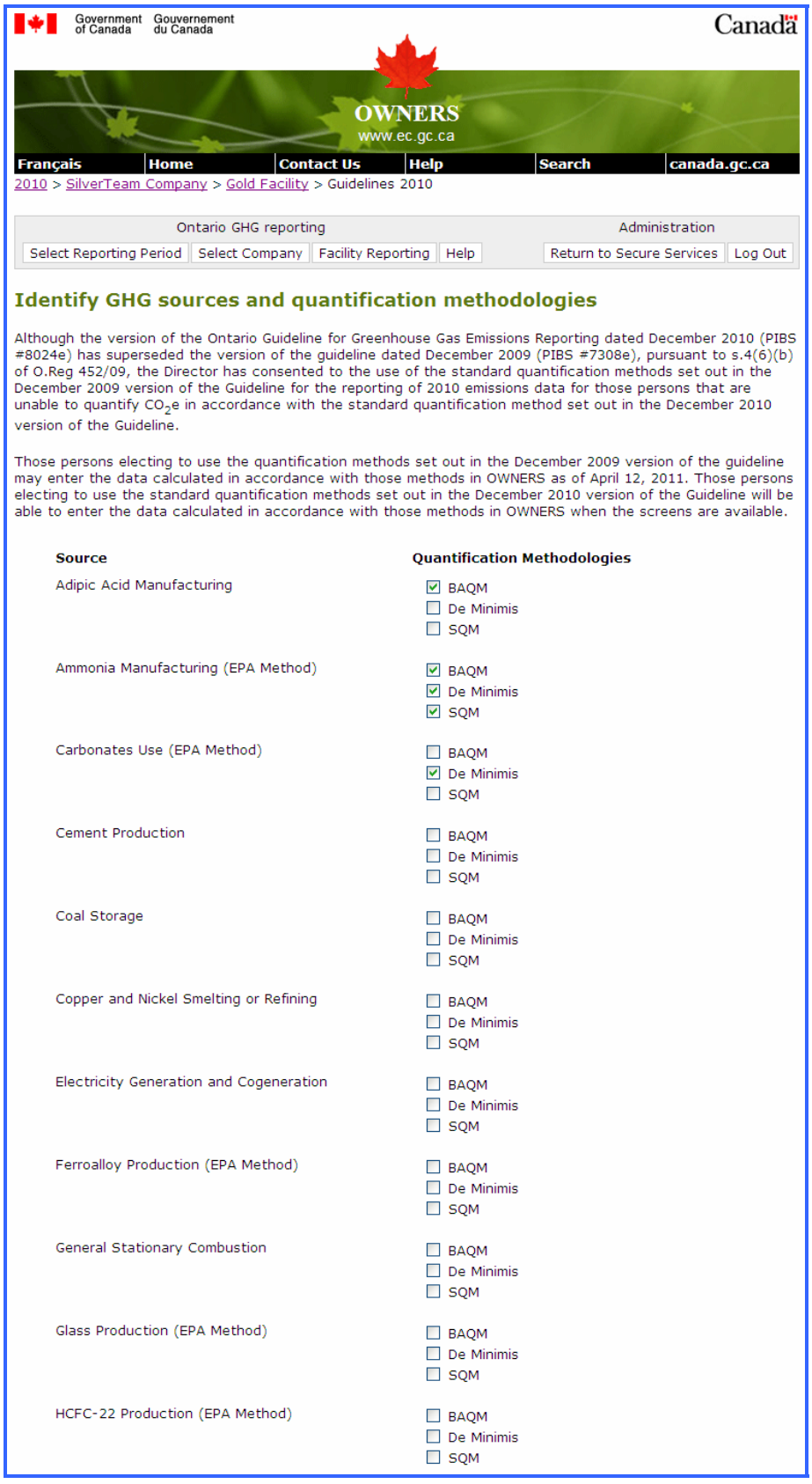
Next you will be presented with a series of activity webpages, one for each source from the Ontario Reporting Regulation that you will select for this facility. Refer to Help File – *Identification Page 6: Identify GHG sources and quantification methodologies*.

Select the sources that apply to your facility. You may select a combination of quantification methods for each source. Use the check boxes to select all methods that apply to each source you're reporting on. You may select one or more of the following methods:

SQM: Standard Quantification Method(s)

BAQM: Best Alternative Quantification Method(s) (including alternative methods approved by the Director)

De Minimis: This option refers to the use of quantification methods other than those set out in the Guideline for Greenhouse Gas Emissions Reporting which, as per Ontario Regulation 452/09 s.4(3), is permitted if the total amount of all CO2e from all sources to which these other quantification methods have been applied does not exceed the lesser of 3% of the total facility CO2e and 20,000 tonnes CO2e.


Government of Canada
Gouvernement du Canada
Canada
OWNERS
www.ec.gc.ca
Français
Home
Contact Us
Help
Search
canada.gc.ca
2010 > SilverTeam Company > Gold Facility > Guidelines 2010
Ontario GHG reporting
Select Reporting Period
Select Company
Facility Reporting
Help
Administration
Return to Secure Services
Log Out
Identify GHG sources and quantification methodologies
Although the version of the Ontario Guideline for Greenhouse Gas Emissions Reporting dated December 2010 (PIBS #8024e) has superseded the version of the guideline dated December 2009 (PIBS #7308e), pursuant to s.4(6)(b) of O.Reg 452/09, the Director has consented to the use of the standard quantification methods set out in the December 2009 version of the Guideline for the reporting of 2010 emissions data for those persons that are unable to quantify CO_2e in accordance with the standard quantification method set out in the December 2010 version of the Guideline.
Those persons electing to use the quantification methods set out in the December 2009 version of the guideline may enter the data calculated in accordance with those methods in OWNERS as of April 12, 2011. Those persons electing to use the standard quantification methods set out in the December 2010 version of the Guideline will be able to enter the data calculated in accordance with those methods in OWNERS when the screens are available.
Source
Quantification Methodologies
Adipic Acid Manufacturing
BAQM
De Minimis
SQM
Ammonia Manufacturing (EPA Method)
BAQM
De Minimis
SQM
Carbonates Use (EPA Method)
BAQM
De Minimis
SQM
Cement Production
BAQM
De Minimis
SQM
Coal Storage
BAQM
De Minimis
SQM
Copper and Nickel Smelting or Refining
BAQM
De Minimis
SQM
Electricity Generation and Cogeneration
BAQM
De Minimis
SQM
Ferroalloy Production (EPA Method)
BAQM
De Minimis
SQM
General Stationary Combustion
BAQM
De Minimis
SQM
Glass Production (EPA Method)
BAQM
De Minimis
SQM
HCFC-22 Production (EPA Method)
BAQM
De Minimis
SQM

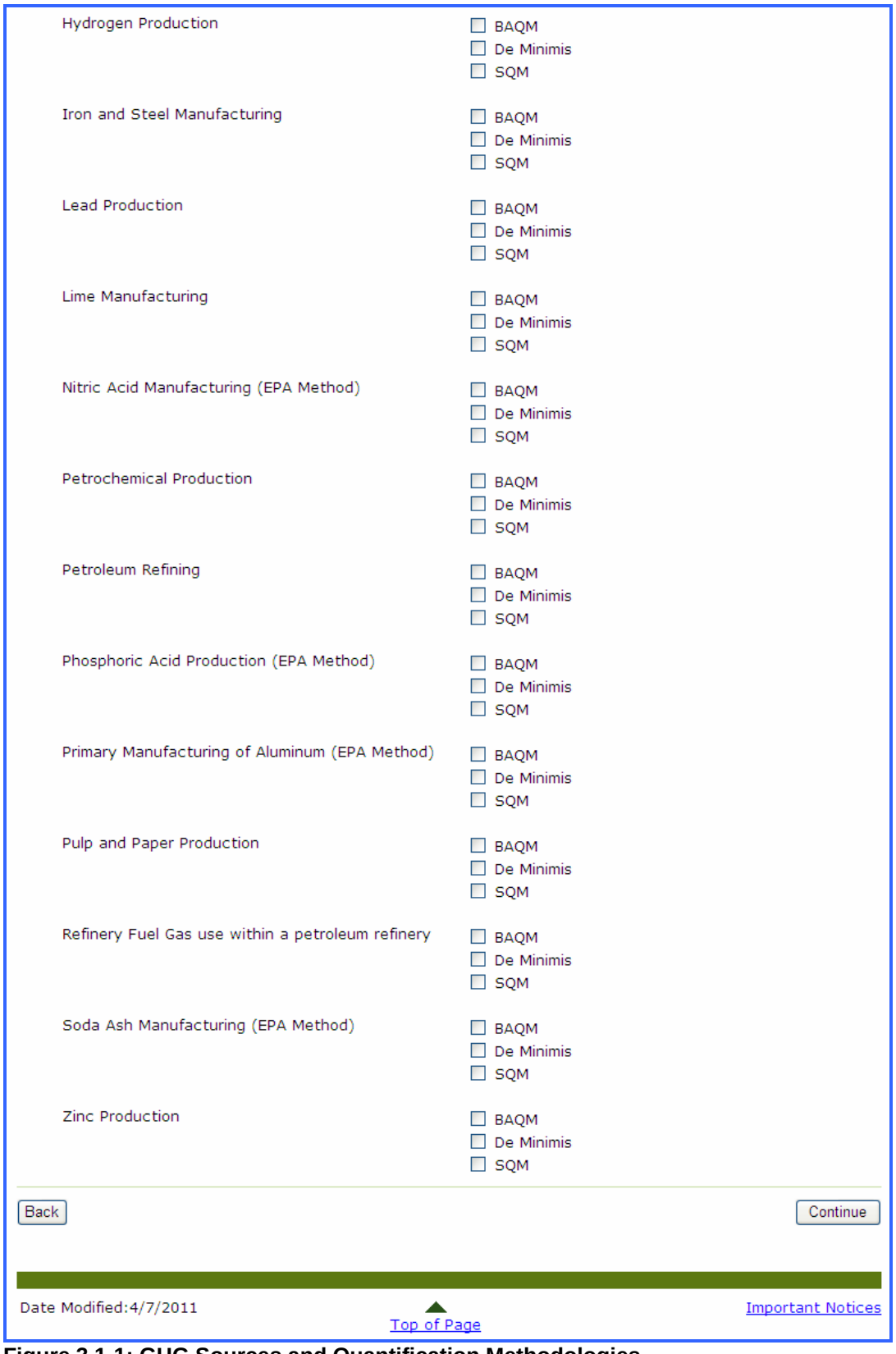


Figure 3.1-1: GHG Sources and Quantification Methodologies

Once the ‘Continue’ button is selected, the following pages collect greenhouse gas (GHG) emissions and other information by source. Each source is listed on a separate page. Most of the reporting module is navigated as a stream of webpages – you can go back to the previous pages by clicking ‘Back’ or you can go forward to the next page by clicking ‘Continue’. Additionally, you can click ‘Save’ to stay on the current page, save your work on that page and perform basic data validation.

Section A of the reporting webpages requires you to identify GHG sources and emissions attributable to your facility for the specified reporting year, according to the Ontario GHG Reporting Regulation.

Section A collects greenhouse gas (GHG) emissions and other information by source. Each source asks:

(1) If applicable to this source, enter the emissions and fuel information by each fuel used.
(2) If applicable, select the appropriate methodology from the drop-down menu for each GHG.
(3) Enter other applicable information; the system will calculate CO2-equivalent emissions.

3.2 Multiple Sources and Methodologies

If more than one source is at the facility using multiple methodologies, the source reporting pages in Section A will prompt you to enter data in alphabetical order of source names. The SQM reporting page for all sources at the facility will appear first, followed by BAQM reporting page. On the BAQM reporting page, you can move between sources by clicking on ‘*Load Source*’ to enter data for each source measured using BAQM. The DeMinimis reporting page for a source will appear last, and will be similar to the BAQM page.

3.2.1 SQM Reporting Page

Figure 3.2-1: Example of an SQM Reporting Page

3.2.2 BAQM Reporting Page

Home > 2010 > ONGHG_Test6's Facility > Guidelines 2010
Section A - GHG Emissions (ON)
Draft General Instruction for non-GSC source :
Enter Greenhouse Gas Reporting Requirements according to ON. Reg. 452/09 section 6 for the selected source.
1. Check Best Alternative Quantification Method(s) used for estimating GHG emissions for following source.
2. Enter total source-level emission of each greenhouse gas.
Source: Adipic Acid Manufacturing
Adipic Acid Manufacturing
Load Source
Best Alternative Quantification Method(s) Used
U.S. EPA, 40 CFR Part 98, Mandatory Greenhouse Gas Reporting, Subparts A to Subpart PP
2006 IPCC Guidelines for National Greenhouse Gas Inventories – Volume 3 – Industrial Processes and Product
Environment Canada, Sector Specific Protocols and Guidance Manuals, posted on the Environment Canada website
CO_2 Emissions Calculation Protocol for the Lime industry – English Units Version, February 5, 2008 Revision – National Lime Association
Methodology Manual – Estimation of Air Emissions from the Canadian Natural Gas Transmission, Storage and Distribution System, Prepared for Canadian Energy Partnership for Environmental Innovation (CEPEI), by Clearstone Engineering, September 25
American Petroleum Institute (API) Compendium of GHG Emission Methodology for the Oil and Gas Industry, August 2009
CO_2 Accounting and reporting Standard for the Cement Industry, June 2005, Version 2.0, World Business Council for Sustainable Development
Calculation tools for Estimating Greenhouse Gas Emissions from Pulp and Paper Mils – Version 1.1, ICFPA/NCASI
Alternative Director approved method
Browse...

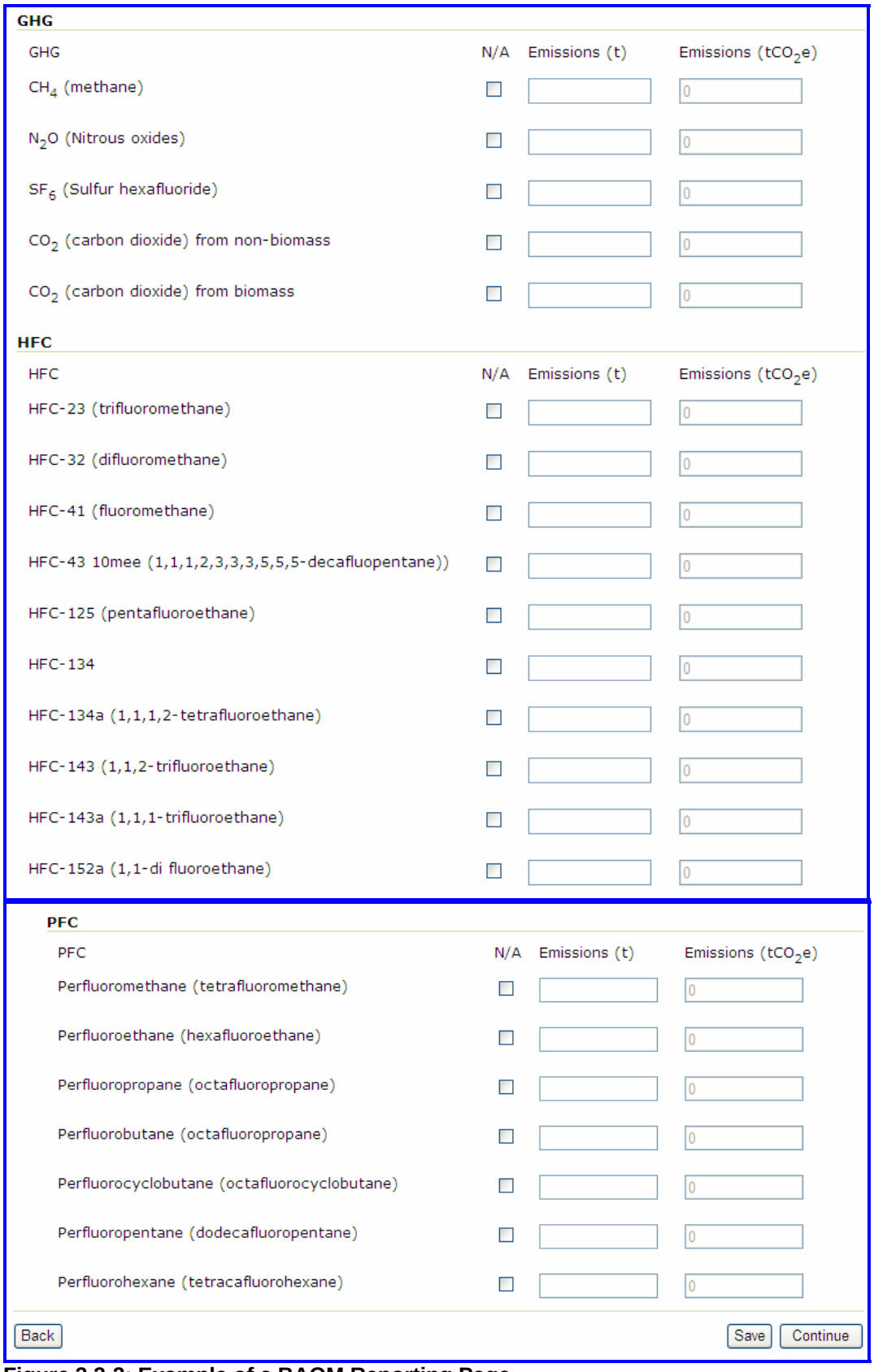


Figure 3.2-2: Example of a BAQM Reporting Page

3.2.3 DeMinimis Reporting Page

HFC

HFC	Emissions (t)	Emissions (tCO_2e)
HFC-23 (trifluoromethane)		0
HFC-32 (difluoromethane)		0
HFC-41 (fluoromethane)		0
HFC-43-10mee (1,1,1,2,3,4,4,5,5,5-decafluoropentane)		0
HFC-125 (pentafluoroethane)		0
HFC-134 (1,1,2,2-tetrafluoroethane)		0
HFC-134a (1,1,1,2-tetrafluoroethane)		0
HFC-143 (1,1,2-trifluoroethane)		0
HFC-143a (1,1,1-trifluoroethane)		0
HFC-152a (1,1-difluoroethane)		0
HFC-227ea (1,1,1,2,3,3,3-heptafluoropropane)		0
HFC-236fa (1,1,1,3,3,3-hexafluoropropane)		0
HFC-245ca (1,1,2,2,3-pentafluoropropane)		0
HFC-152 (1,2-difluoroethane)		0
HFC-161 (fluoroethane)		0
HFC-236cb (1,1,1,2,2,3-hexafluoropropane)		0
HFC-236ea (1,1,1,2,3,3-hexafluoropropane)		0
HFC-245fa (1,1,1,3,3-pentafluoropropane)		0
HFC-365mfc (1,1,1,3,3-pentafluorobutane)		0

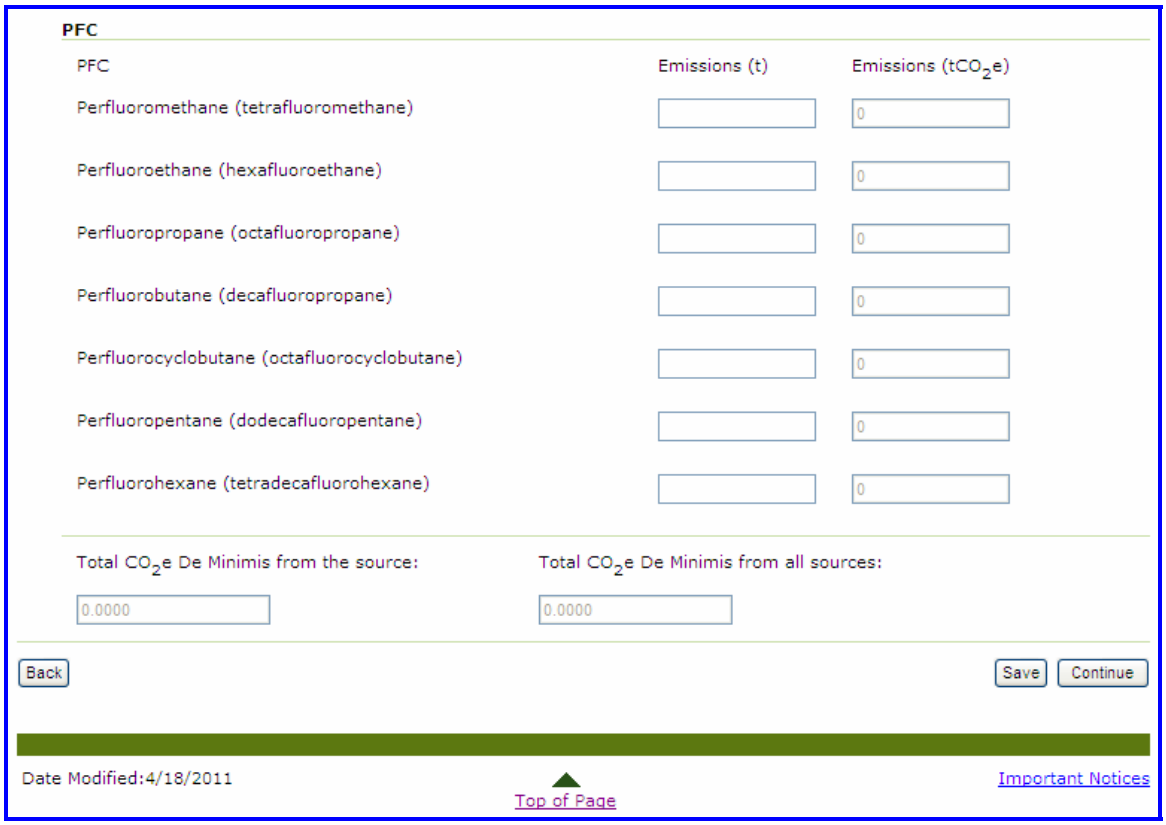


Figure 3.2-3: Example of a DeMinimis Reporting Page

3.3 CO2 Captured

Once all the data for each methodology for all sources have been entered, the next screen will take you to quantify any CO2 captured at the facility including used, transferred or stored. Provide an amount or N/A. If CO2 is captured at the facility, provide an explanation on how the estimated total was determined and how the carbon dioxide may have been used, transferred or stored.

Figure 3.3-1: CO2 Captured at the Facility

For more details on each GHG source and quantification methodologies, refer to sources section (Section 3) of this manual.

3.4 Changes to Source Types and Methodologies

If you change any source types or methodologies before the report is submitted, a warning will appear to alert you that these changes will affect the report. Select '*Yes*' to continue or '*No*' to revert to the source types and methodologies before any changes.

Figure 3.4-1: Changes to Source Types and Methodologies

Adipic Acid Manufacturing

4 Source Type: Process Emissions from Adipic Acid Production

For each source, you are required to identify the quantification method: De Minimis, Best Alternative Quantification Method(s) (BAQM), Standard Quantification Method (SQM) as indicated in *Section 3*. For further information, refer to Help File – *Adipic Acid Manufacturing*. You can identify multiple quantification methods too.

4.1 Standard Quantification Method

Select Methodology for N2O from drop down list: ON.403(b)_EF, ON.403(a)(1)_CEMS.

Emissions resulting from process of adipic acid production must be quantified. Enter the GHG, HFC and PFC emissions in tonnes (t). If an emission type is not present at your facility, select '*N/A*' for each of the emissions. Do not enter "0" (zero) for Emissions in this situation.

4.2 Site Specific Emission Factors

To create a record for a site specific emissions factor, click '*Add New*'. To edit the record for a site specific emissions factor prior to submitting a report, click '*Edit*'. To delete the record for a site specific emissions factor prior to submitting a report, click '*Delete*'.

For site specific emissions factors, enter in text the emissions factor name (max of 50 characters). Enter the numeric value. For site specific unit, enter an alphanumeric value.

If you have more source specific emissions factor, select '*Add New*' button. All fields are mandatory (can't add a new factor until you complete the previous factor). You can edit and delete between the records you create for the different factors.

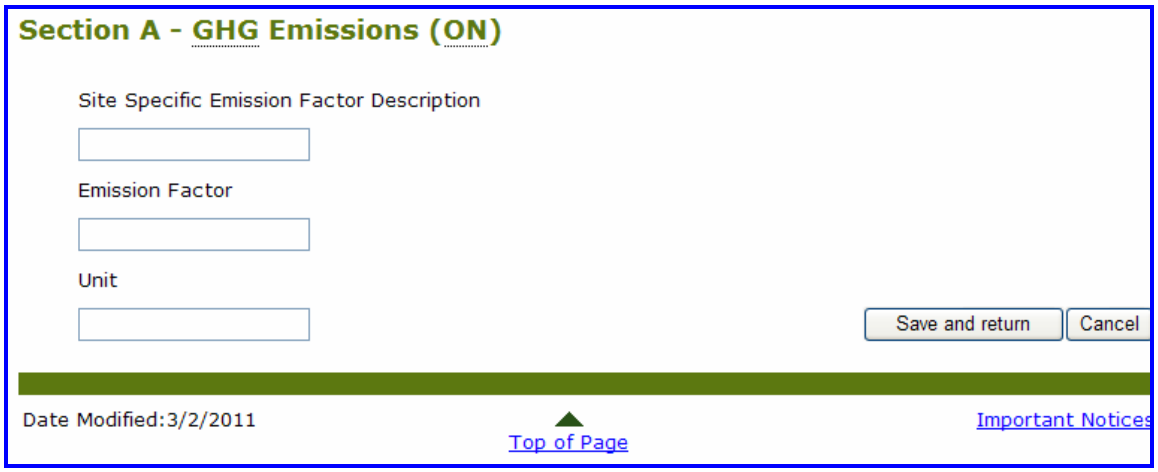


Figure 4.2-1: Site Specific Emission Factor

Select '*Save and Return*' button to go to the next screen to complete other source types. If all source types are complete, clicking continue will bring you to the next screen. The next screen will take you to quantify any CO2 captured at the facility including used, transferred or stored. Provide an amount or N/A. If CO2 is captured at the facility, provide an explanation on how the estimated total was determined and how the carbon dioxide may have been used, transferred or stored.

Click on '*Save*' and '*Continue*' to move on to Section B – Total GHG Emissions at Facility Level.

Figure 4.2-2: SQM Reporting Page for Adipic Acid Manufacturing

4.3 Best Alternative Quantification Method

Check the Best Alternative Quantification Method (BAQM) used for estimating GHG emissions for Adipic Acid Manufacturing. At least one BAQM must be selected. If you have a BAQM that is MOE Director-approved, select '*Browse*' and attach the approval document.

Enter the total source-level emission of each greenhouse gas (GHG). Values of "0" may be entered, or if not applicable, check N/A.

Refer to *Sources and Quantification Methodologies* in Section 3 for BAQM reporting page screenshot.

4.4 DeMinimis Method

Enter the DeMinimis emissions for each GHG, HFC and PFC. Values of “0” may be entered.

Refer to *Sources and Quantification Methodologies* in Section 3 for DeMinimis reporting page screenshot.

Cement Production

5 Source Type

For each source, you are required to identify the quantification method: De Minimis, Best Alternative Quantification Method(s) (BAQM), Standard Quantification Method (SQM) as indicated in *Section 3*. For further information, refer to Help File – *Cement Production.* You can identify multiple quantification methods too.

To report on a GHG for a source type, select the GHG and the appropriate **Methodology**. If more than one Methodology was used, select the primary one.

5.1 Standard Quantification Method – Calcination of Raw Materials

Only process emissions are to be reported as emissions, unless CEMS is selected as the Methodology. If CEMS was selected as the Methodology, report the total (combined) emissions (there is no need to report just process emissions for the Cement Production source if CEMS was used). If both CEMS and emission factors were used to estimate emissions from kilns, then select CEMS as the Methodology and report the total combined process and combustion CO2 emissions from all kilns here. Do not report CO2 emissions from fuel combustion from kilns under the General Stationary Combustion source.

Select **CO2 Methodology** from drop down list: ON.93(a)_CEMS_kiln, ON.93(b)_EF.
If CEMS has been entered as the Methodology, do not include CO2 emissions from combustion of biomass in the combined emissions. Report this amount under General Stationary Combustion source.

For CO2, enter in emission numeric value (13 digit total, max. 4 decimals).

5.1.1 Clinker

Enter the emission factor for clinker in tonne CO2 / tonne clinker.
Enter value of annual amount produced for clinker in tonnes.

5.1.2 Cement Kiln Dust

Enter value of annual emissions factor for cement kiln dust in tonnes CO2 / tonne cement kiln dust.

5.1.3 Feed or Raw Material

Enter value of annual amount consumed in tonnes for feed or raw material.
Enter value for feed or raw material, in average feed to clinker rate (tonnes clinker / tonne feed).
Enter value of feed or raw material in fraction of CO2 emission from combustion of biomass between 0 and 1.

5.2 Standard Quantification Method – General Stationary Combustion

5.2.1 Fuel Combustion Emissions from All Kilns Combined

For Fuel Combustion Emissions from all kilns combined, enter in emission value for CO2, CH4, and N2O (13 digit total, max. 4 decimals).

5.2.2 Fuel Combustion Emissions from all other Fuel Combustion Units Combined (Kilns Excluded)

For Fuel Combustion Emissions from all other fuel combustion units combined (kilns excluded), enter emission value for CO2, CH4, and N2O (8 digit total, max. 4 decimals).

5.2.3 Fuel Usage by Fuel Type for Kilns (Complete if CEMS Used)

For fuel usage by fuel type for kilns (complete if CEMS is used), select '*Add New*', and choose from the drop down list: Coal Coke, Coal-Anthracite, Coal-Bituminous, Diesel, Distillate Fuel Oil (#1, 2 &4), Landfill Gas, Light Fuel Oil, Natural Gas, Other, Residual Fuel Oil (#5 & 6), Spent Pulping Liquor (Env. Canada), Spent Pulping Liquor (US EPA), Wood Waste (Env. Canada), Wood Waste (US EPA).

If '*Other*' is chosen, enter fuel description under Fuel Description field (complete if CEMS is used). Enter a descriptor using text and/or number(s) in the fuel description field. For Fuel classification drop down box, choose one of the following: Biomass, Non-Biomass. Enter in numeric value for annual amount consumed. Choose the unit in the drop down box: Sm^3, Kilolitres, Tonnes, Bone Dry Tonnes.

Select '*Save and Return*' button to go to the next screen.

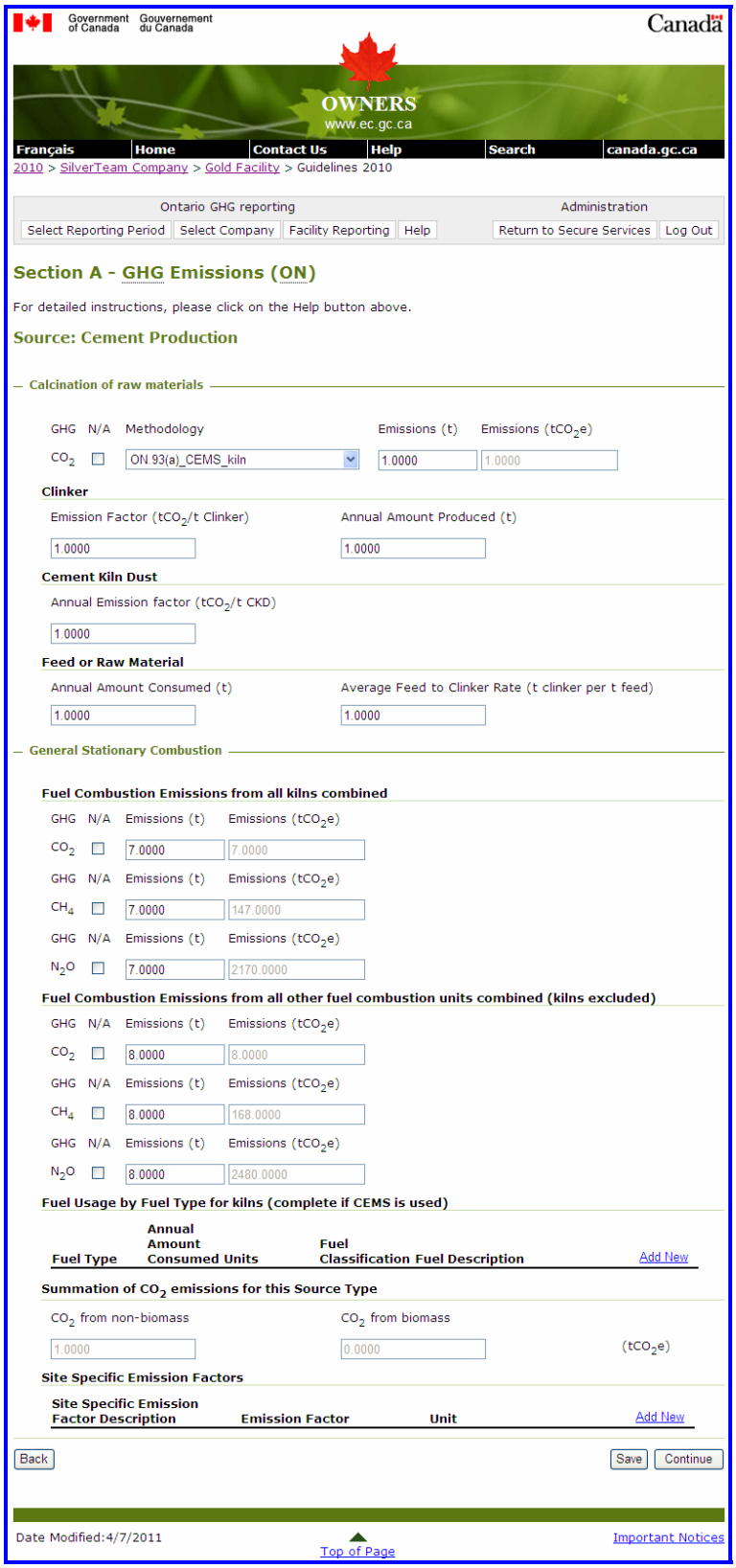


Figure 5.2-1: SQM Reporting Page for Cement Production

Figure 5.2-2: Fuel Type

5.3 Site Specific Emission Factors

To create a record for a site specific emissions factor, click '*Add New*'. To edit the record for a site specific emissions factor prior to submitting a report, click '*Edit*'. To delete the record for a site specific emissions factor prior to submitting a report, click '*Delete*'.

For site specific emissions factors, enter in text the emissions factor name (max of 50 characters). Enter the numeric value. For site specific unit, enter an alphanumeric value.

If you have more source specific emissions factor, select '*Add New*' button. All fields are mandatory (can't add a new factor until you complete the previous factor). You can edit and delete between the records you create for the different factors.

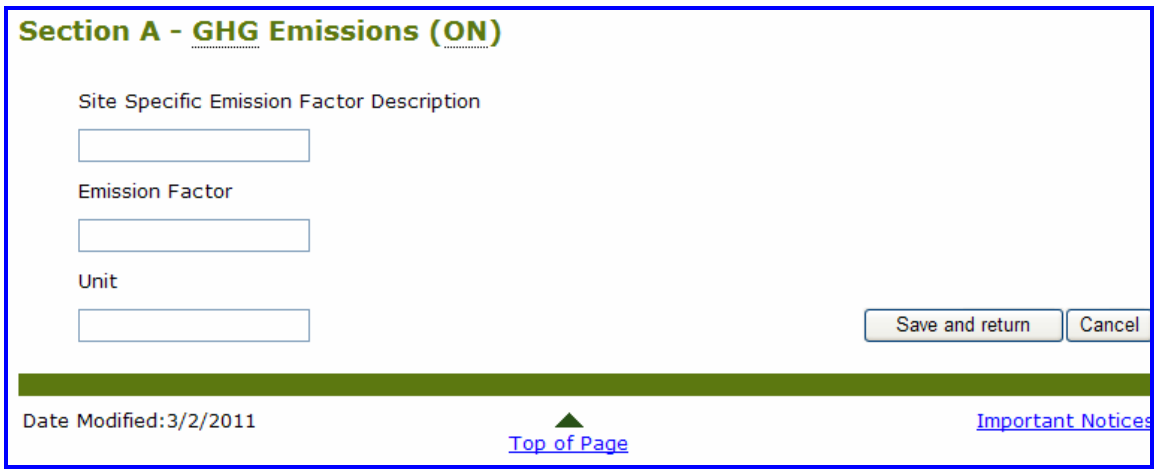


Figure 5.3-1: Site Specific Emission Factor

Select '*Save and Return*' button to go to the next screen to complete other source types. If all source types are complete, clicking continue will bring you to the next screen. The next screen will take you to quantify any CO2 captured at the facility including used, transferred or stored. Provide an amount or N/A. If CO2 is captured at the facility, provide an explanation on how the estimated total was determined and how the carbon dioxide may have been used, transferred or stored.

Click on '*Save*' and '*Continue*' to move on to Section B – Total GHG Emissions at Facility Level.

5.4 Best Alternative Quantification Method

Check the Best Alternative Quantification Method (BAQM) used for estimating GHG emissions for Cement Production. At least one BAQM must be selected. If you have a BAQM that is Director-approved, select '*Browse*' and attach the approval document.

Enter the total source-level emission of each greenhouse gas (GHG). Values of "0" may be entered, or if not applicable, check N/A.

Refer to *Sources and Quantification Methodologies* in Section 3 for BAQM reporting page screenshot.

5.5 DeMinimis Method

Enter the DeMinimis emissions for each GHG, HFC and PFC. Values of "0" may be entered.

Refer to *Sources and Quantification Methodologies* in Section 3 for DeMinimis reporting page screenshot.

Coal Storage

6 Source Type

For each source, you are required to identify the quantification method: De Minimis, Best Alternative Quantification Method(s) (BAQM), Standard Quantification Method (SQM) as indicated in *Section 3*. For further information, refer to Help File – *Coal Storage*.

6.1 Standard Quantification Method – Stored Coal Piles

On the **Methodology for CH4**, select from the drop down list: ON.103(a), ON.103(b), ON.103(c).

Enter values for emissions in tonnes from coal in tonnes (t).
Enter the annual amount of coal purchased in tonnes (t).

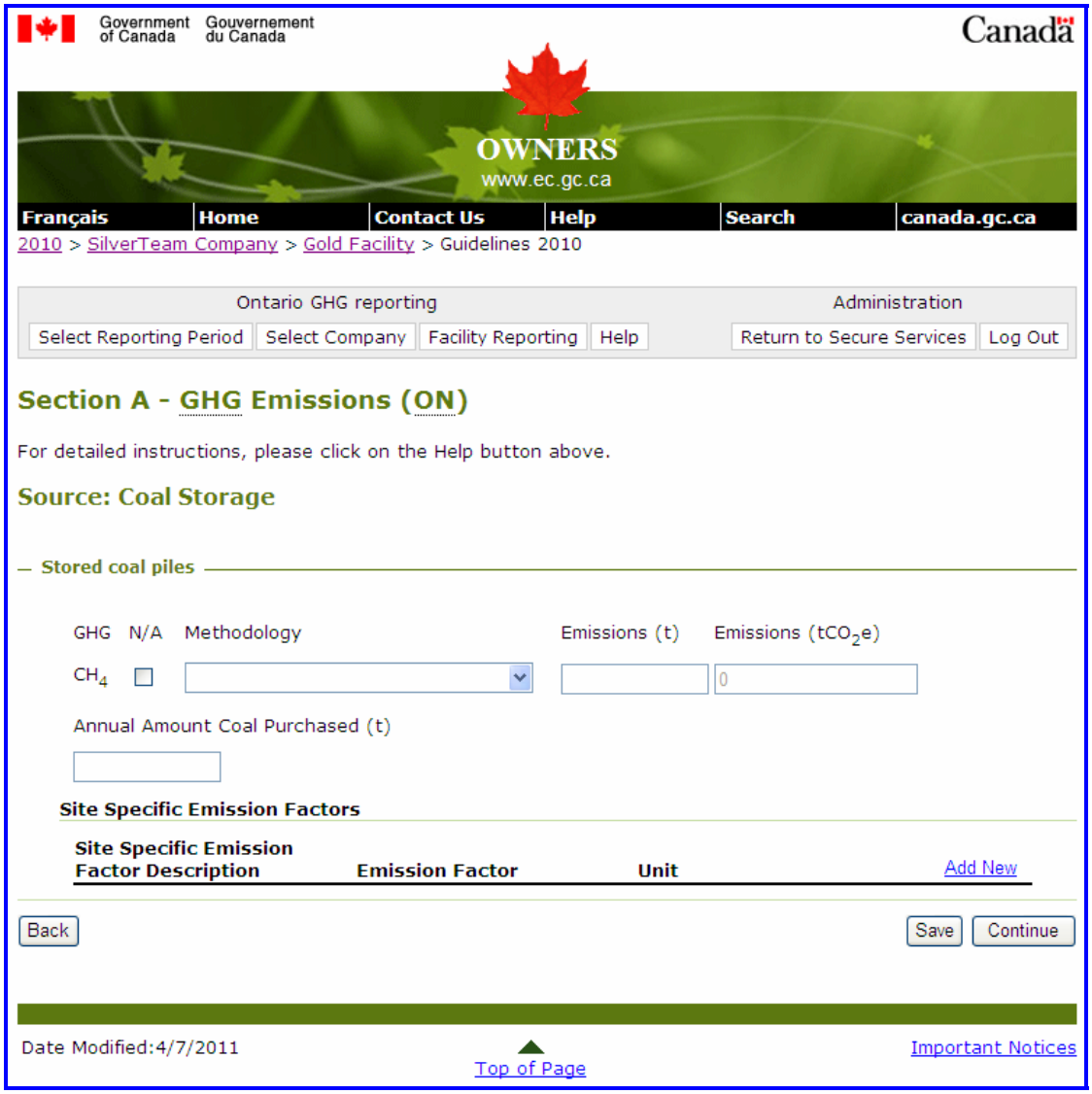


Figure 6.1-1: SQM Reporting Page for Coal Storage

6.2 Site Specific Emission Factors

To create a record for a site specific emissions factor, click '*Add New*'. To edit the record for a site specific emissions factor prior to submitting a report, click '*Edit*'. To delete the record for a site specific emissions factor prior to submitting a report, click '*Delete*'.

For site specific emissions factors, enter in text the emissions factor name (max of 50 characters). Enter the numeric value. For site specific unit, enter an alphanumeric value.

If you have more source specific emissions factor, select '*Add New*' button. All fields are mandatory (can't add a new factor until you complete the previous factor). You can edit and delete between the records you create for the different factors.

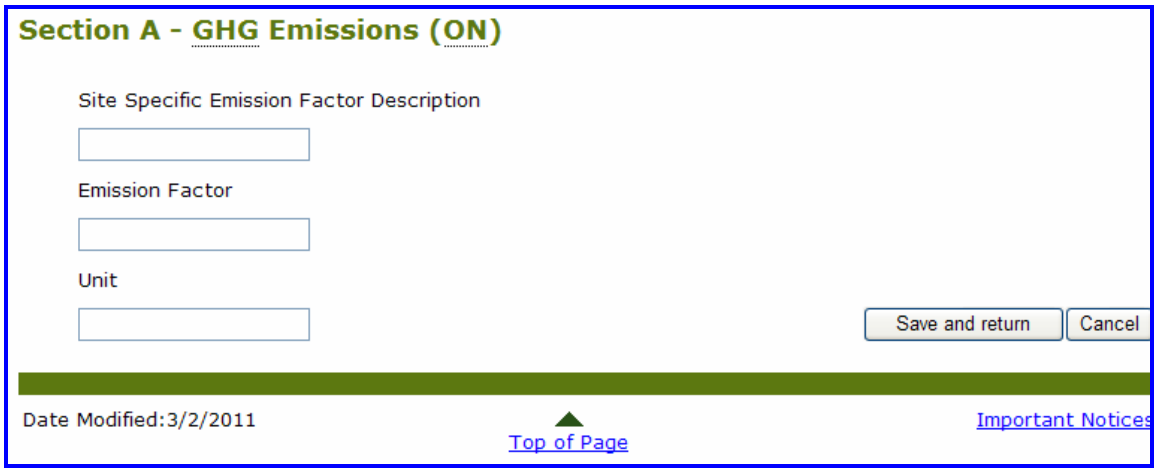


Figure 6.2-1: Site Specific Emission Factor

Select '*Save and Return*' button to go to the next screen to complete other source types. If all source types are complete, clicking continue will bring you to the next screen. The next screen will take you to quantify any CO2 captured at the facility including used, transferred or stored. Provide an amount or N/A. If CO2 is captured at the facility, provide an explanation on how the estimated total was determined and how the carbon dioxide may have been used, transferred or stored.

Click on '*Save*' and '*Continue*' to move on to Section B – Total GHG Emissions at Facility Level.

6.3 Best Alternative Quantification Method

Check the Best Alternative Quantification Method (BAQM) used for estimating GHG emissions for Coal Storage. At least one BAQM must be selected. If you have a BAQM that is Director-approved, select '*Browse*' and attach the approval document.

Enter the total source-level emission of each greenhouse gas (GHG). Values of "0" may be entered, or if not applicable, check N/A.

Refer to *Sources and Quantification Methodologies* in Section 3 for BAQM reporting page screenshot.

6.4 DeMinimis Method

Enter the DeMinimis emissions for each GHG, HFC and PFC. Values of "0" may be entered.

Refer to *Sources and Quantification Methodologies* in Section 3 for DeMinimis reporting page screenshot.

Copper and Nickel Smelting or Refining

7 Source Type

For each source, you are required to identify the quantification method: De Minimis, Best Alternative Quantification Method(s) (BAQM), Standard Quantification Method (SQM) as indicated in *Section 3*. For further information, refer to Help File – *Copper and Nickel Smelting or Refining*.

7.1 Standard Quantification Method – Removal of Impurities, Reducing Agents, Slag Cleaning, Electrode Consumption

Choose a source type: removal of impurities, reducing agents, slag cleaning, or electrode consumption.

Enter in the annual amount used in tonnes for Limestone, Dolomite, and Ore at the facility.
Enter in numeric value (between 0 and 1) in fractional purity of Limestone, Dolomite and Ore.

Emissions resulting from process of Copper Nickel Smelting and Refining must be quantified. Enter the GHG emissions in tonnes (t). If an emission type is not present at your facility, select '*N/A*' for each of the emissions. Do not enter "0" (zero) for Emissions in this situation.

Figure 7.1-1: SQM Reporting Page for Copper and Nickel Smelting or Refining

7.2 Standard Quantification Method – Reducing Agents

To create a record for a reducing agent, click '*Add New*'. Any common designation may be used to describe the Reducing Agent, including chemical nomenclature or symbols, trade name or common name. If the Annual Amount Used is zero, then "0" must be entered. If the Annual Amount Used is greater than zero, the Carbon Content must be specified. To edit the record for a reducing agent prior to submitting a report, click '*Edit*'. To delete the record for a reducing agent prior to submitting a report, click '*Delete*'.

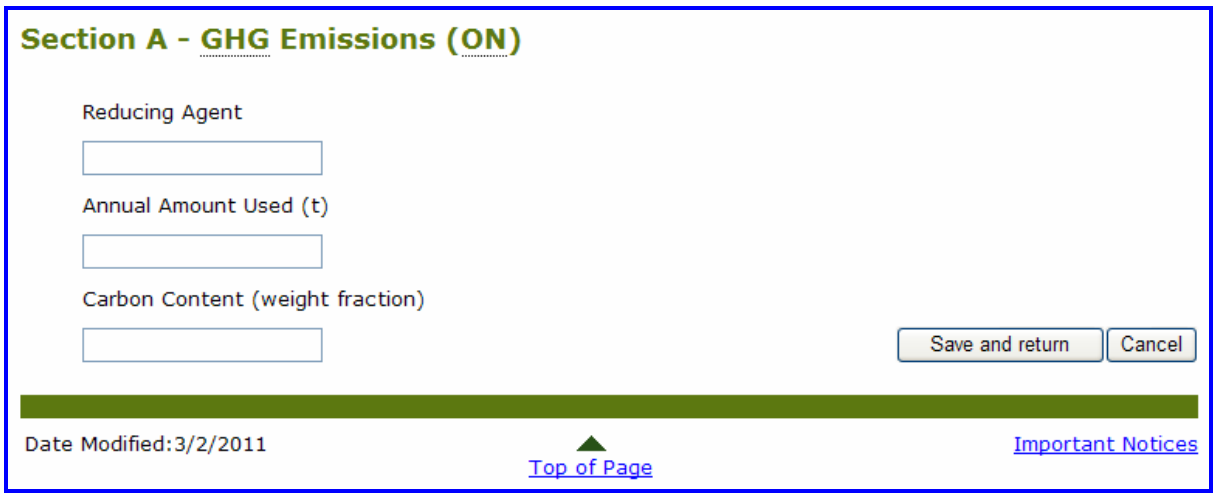


Figure 7.2-1: Reducing Agent

7.3 Site Specific Emission Factors

To create a record for a site specific emissions factor, click '*Add New*'. To edit the record for a site specific emissions factor prior to submitting a report, click '*Edit*'. To delete the record for a site specific emissions factor prior to submitting a report, click '*Delete*'.

For site specific emissions factors, enter in text the emissions factor name (max of 50 characters). Enter the numeric value. For site specific unit, enter an alphanumeric value.

If you have more source specific emissions factor, select '*Add New*' button. All fields are mandatory (can't add a new factor until you complete the previous factor). You can edit and delete between the records you create for the different factors.

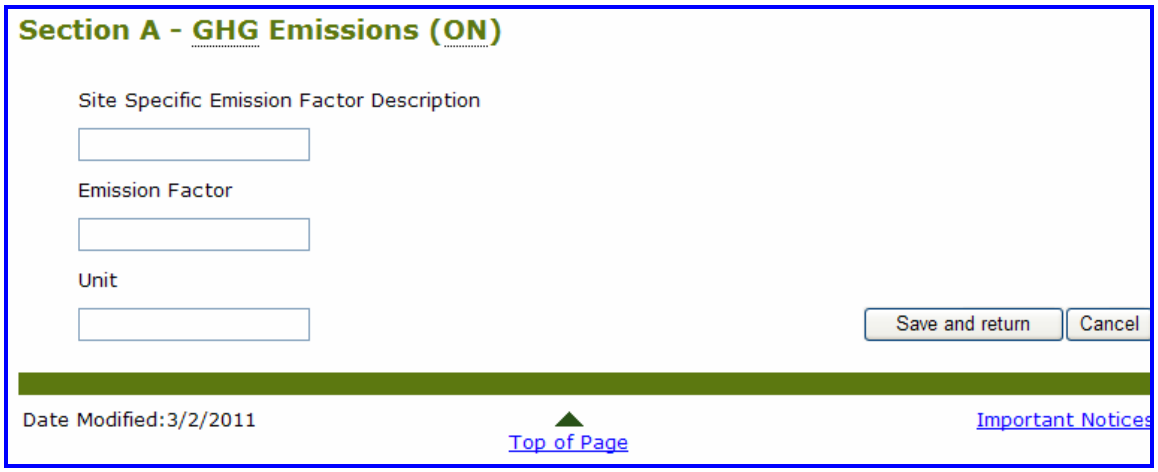


Figure 7.3-1: Site Specific Emission Factor

Select '*Save and Return*' button to go to the next screen to complete other source types. If all source types are complete, clicking continue will bring you to the next screen. The next screen will take you to quantify any CO2 captured at the facility including used, transferred or stored. Provide an amount or N/A. If CO2 is captured at the facility, provide an explanation on how the estimated total was determined and how the carbon dioxide may have been used, transferred or stored.

Click on '*Save*' and '*Continue*' to move on to Section B – Total GHG Emissions at Facility Level.

7.4 Best Alternative Quantification Method

Check the Best Alternative Quantification Method (BAQM) used for estimating GHG emissions for Copper and Nickel Smelting or Refining. At least one BAQM must be selected. If you have a BAQM that is Director-approved, select '*Browse*' and attach the approval document.

Enter the total source-level emission of each greenhouse gas (GHG). Values of "0" may be entered, or if not applicable, check N/A.

Refer to *Sources and Methodologies* in Section 3 for BAQM reporting page screenshot.

7.5 DeMinimis Method

Enter the DeMinimis emissions for each GHG, HFC and PFC. Values of "0" may be entered.

Refer to *Sources and Methodologies* in Section 3for DeMinimis reporting page screenshot.

Electricity Generation and Cogeneration

8 Source Type

For each source, you are required to identify the quantification method: De Minimis, Best Alternative Quantification Method(s) (BAQM), Standard Quantification Method (SQM) as indicated in *Section 3*. For further information, refer to Help File – *Electricity Generation and Cogeneration*.

8.1 Standard Quantification Method – Fuel Combustion for Electricity Generation

Enter the numeric value the Facility Nameplate Capacity in Megawatts (MW). Enter the numeric value the Facility Net Power Generated in Megawatt-hours (MWh).

Click '*Add New*' to choose a **CO2 Methodology** for fuel type from the drop down list: ON.23(a)_def, ON.23(b)(1)_HHV, ON.23(b)(2)_Steam, ON.23(c)(1)_CC, ON.23(c)(2)_Steam, ON.23(d)_CEMS.

For Fuel Type, choose from the drop down list: Coal Coke, Coal-Anthracite, Coal-Bituminous, Diesel, Distillate Fuel Oil (#1, 2 &4), Landfill Gas, Light Fuel Oil, Natural Gas, Other, Residual Fuel Oil (#5 & 6), Spent Pulping Liquor (Env. Canada), Spent Pulping Liquor (US EPA), Wood Waste (Env. Canada), Wood Waste (US EPA).

To report on Municipal Solid Waste (MSW) and/or tires as fuels, select '*Other*' as the Fuel Type, and select the appropriate Fuel Classification. To report on a biomass / non-biomass mixture for either MSW or tires, create two records for the fuel: one to represent the biomass portion of the fuel, the other to represent the non-biomass portion.

Fuel Description should only be provided if '*Other*' has been selected as the Fuel Type.

To edit the record for a fuel prior to submitting a report, click '*Edit*'. To delete the record for a fuel prior to submitting a report, click '*Delete*'. If another fuel type is used at the facility, select '*Add New*' and a new record is displayed for fields: fuel type, annual amount consumed.

Enter the annual amount consumed and choose the unit in the drop down box: Sm^3, Kilolitres, Tonnes, Bone Dry Tonnes.

To add a new Fuel Combined, select '*Add New*' and new record is displayed for fields: Fuel type, annual amount consumed.

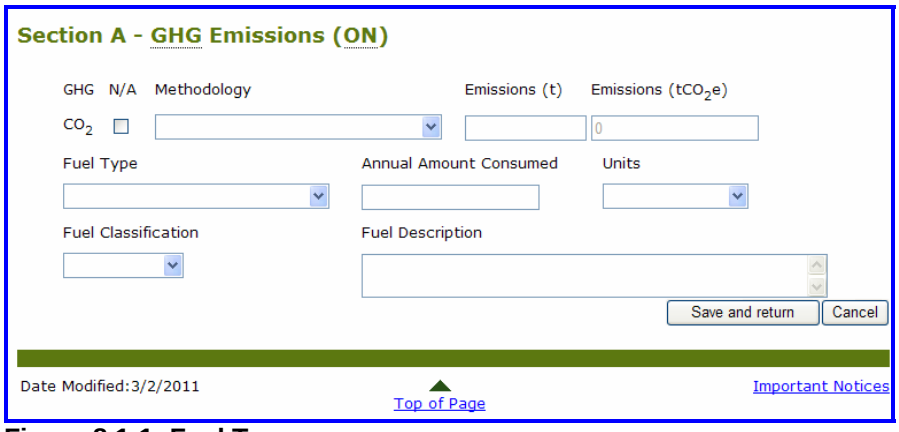


Figure 8.1-1: Fuel Type

Select '*Save and Return*' to go back to the main screen.

8.2 Standard Quantification Method – Emissions for all Fuels Combined

Emissions resulting from process of Electricity Generation and Cogeneration must be quantified. Enter the GHG emissions (CH4 and N2O) in tonnes (t). If an emission type is not present at your facility, select '*N/A*' for each of the emissions. Do not enter "0" (zero) for Emissions in this situation.

To enter Emissions for all Fuel Combined, enter a descriptor using text and/or numbers of no more than 50 characters in the Unit Description field. Enter the Co-generation Unit ID and the Provider (maximum 50 characters). Check for the options in the drop down box under Cycle type: Topping, Bottoming. Enter positive numeric value in Thermal Output (MJ) field. Enter positive numeric value in Amount Heat Acquired (MJ) field (up to 13 digits, 4 decimals). Enter positive numeric value in Amount Steam Acquired (MJ) field (up to 13 digits, 4 decimals).

Select '*Add New*' if there are any other Emissions for all Fuel Combined. New record is displayed for fields: Co-generation Unit ID, Unit Description, Cycle Type, Thermal Output, Provider, Amount of Heat Acquired, and Amount of Steam Acquired.

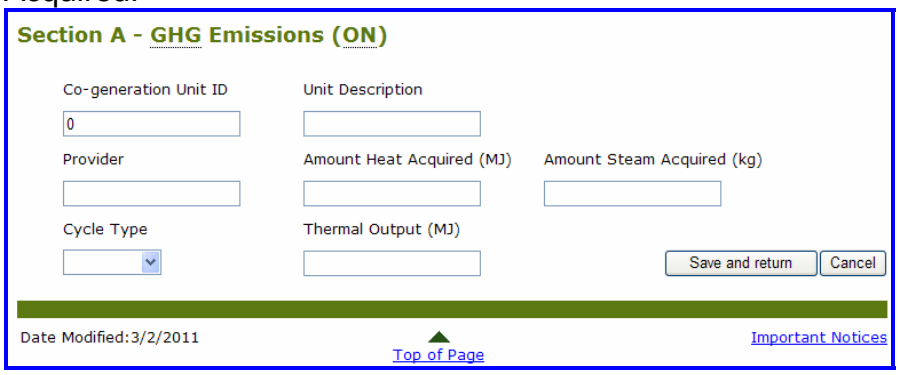


Figure 8.2-1: Co-generation Unit ID

For all Fuel Combined, answer the question: "Has supplemental firing been applied to support electricity generation?" by using the drop down box: Yes or No.

If you selected '*Yes*', then the following fields must be completed: Fuel type, Annual Amount Consumed and Units.

8.3 Standard Quantification Method – Acid Gas Scrubbers and Acid Gas Reagents

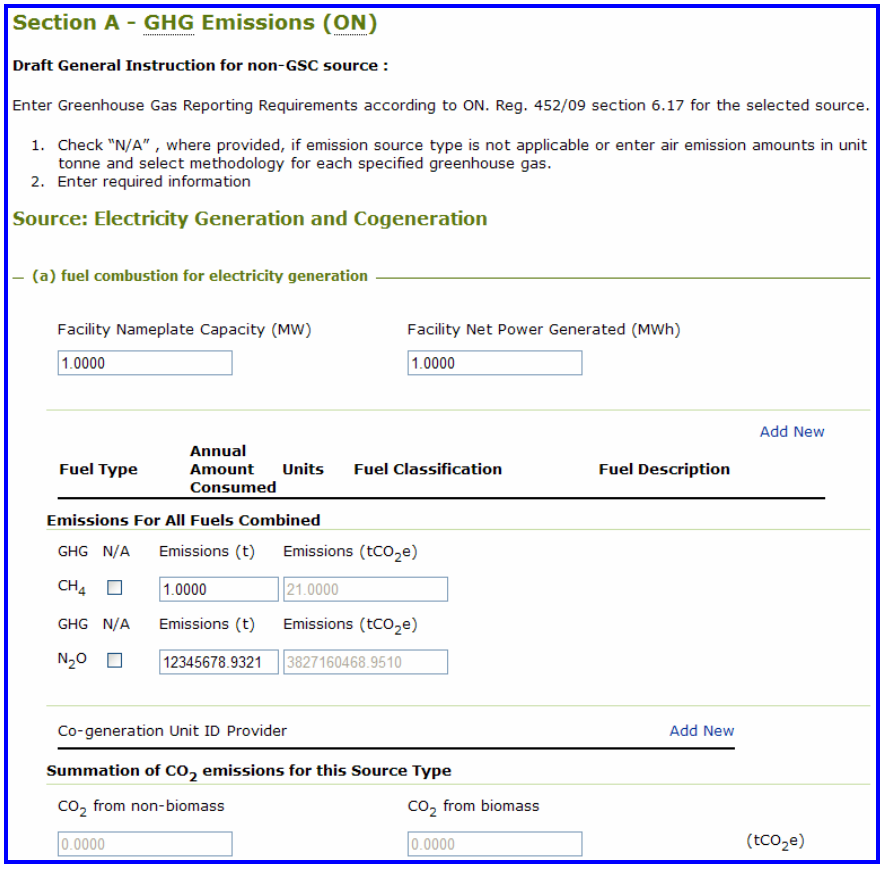
If your facility has Acid gas scrubbers and acid gas reagent, choose the check box, and choose the ON.4(c)_scrub methodology option on the drop down list. For CO2 enter in emission numeric value greater than 0 (13 digit total, max. 4 decimals).

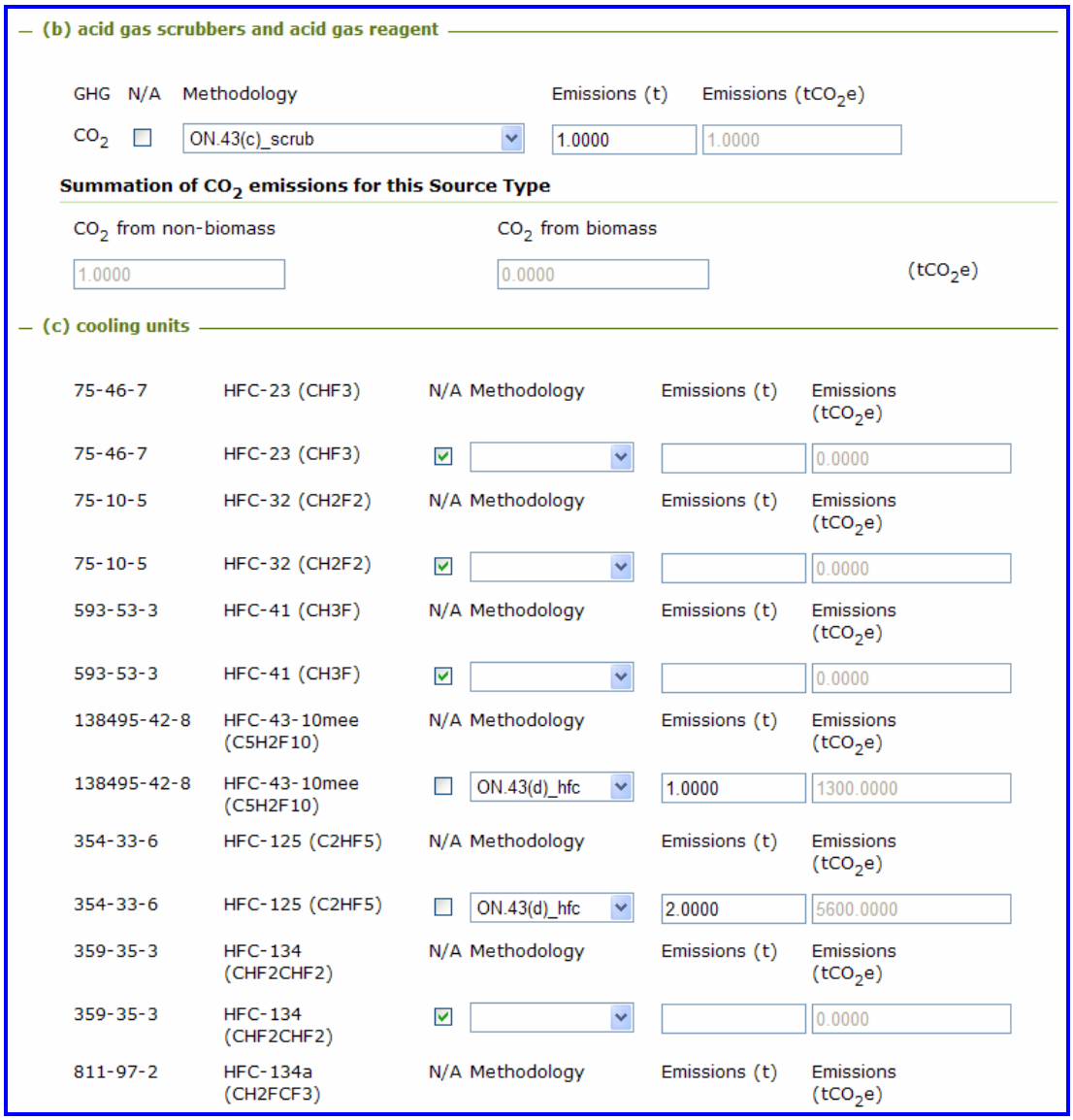
8.4 Standard Quantification Method – Cooling Units

For Cooling units, enter the CAS# and HFC names. Enter the HFC emission value. Enter the HFC methodology.

8.5 Standard Quantification Method – Geothermal Geyser Steam or Fluids

For Geothermal geyser steam or fluids, enter the emission value and the CO2 methodology.


Section A - GHG Emissions (ON)
Draft General Instruction for non-GSC source :
Enter Greenhouse Gas Reporting Requirements according to ON. Reg. 452/09 section 6.17 for the selected source.
1. Check "N/A" , where provided, if emission source type is not applicable or enter air emission amounts in unit tonne and select methodology for each specified greenhouse gas.
2. Enter required information
Source: Electricity Generation and Cogeneration
(a) fuel combustion for electricity generation
Facility Nameplate Capacity (MW)
1.0000
Facility Net Power Generated (MWh)
1.0000
Add New
Fuel Type
Annual Amount Consumed
Units
Fuel Classification
Fuel Description
Emissions For All Fuels Combined
GHG N/A Emissions (t) Emissions (tCO2e)
CH4
1.0000
21.0000
GHG N/A Emissions (t) Emissions (tCO2e)
N2O
12345678.9321
3827160468.9510
Co-generation Unit ID Provider
Add New
Summation of CO2 emissions for this Source Type
CO2 from non-biomass
CO2 from biomass
0.0000
0.0000
(tCO2e)



— (b) acid gas scrubbers and acid gas reagent

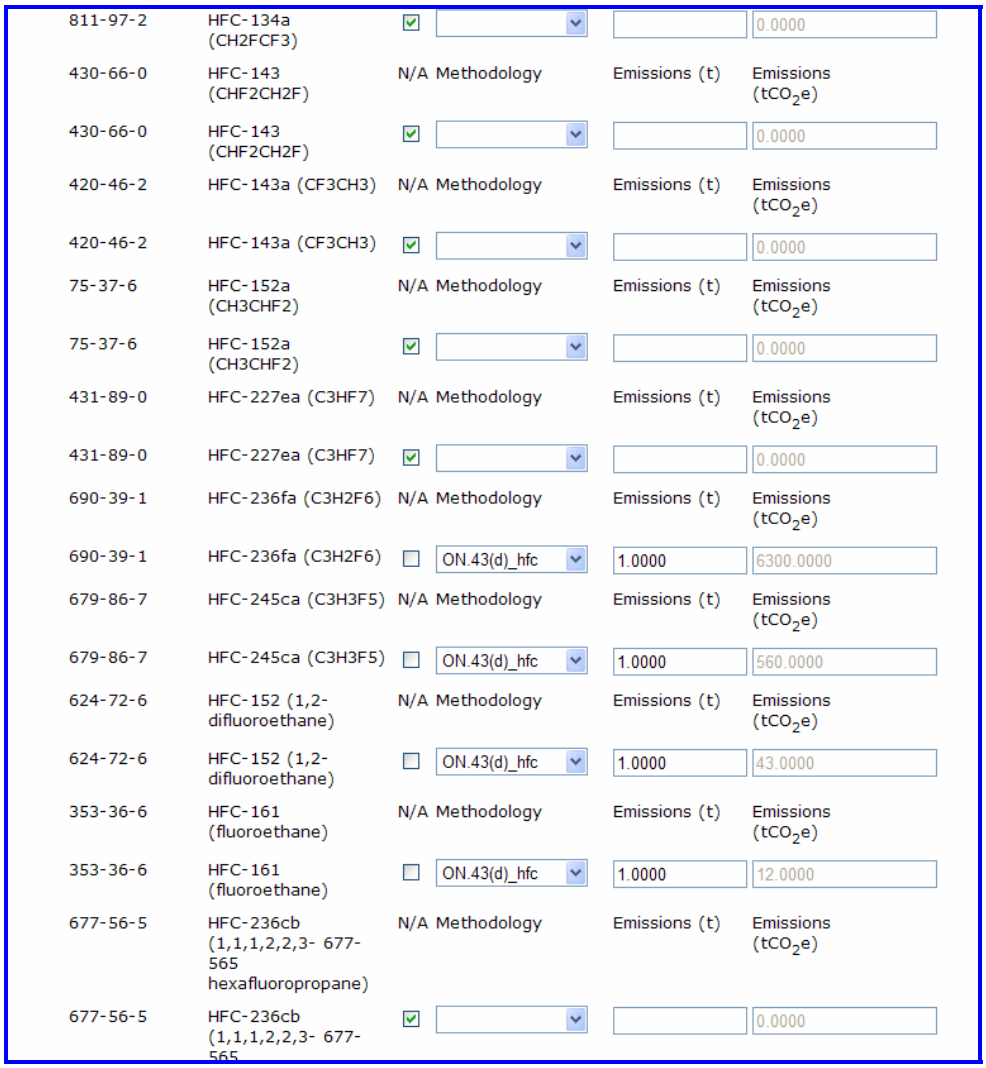
GHG	N/A	Methodology	Emissions (t)	Emissions (tCO_2e)
CO_2	☐	ON.43(c)_scrub	1.0000	1.0000

Summation of CO_2 emissions for this Source Type

CO_2 from non-biomass	CO_2 from biomass	
1.0000	0.0000	(tCO_2e)

— (c) cooling units

75-46-7	HFC-23 (CHF3)	N/A	Methodology	Emissions (t)	Emissions (tCO_2e)
75-46-7	HFC-23 (CHF3)	☑			0.0000
75-10-5	HFC-32 (CH2F2)	N/A	Methodology	Emissions (t)	Emissions (tCO_2e)
75-10-5	HFC-32 (CH2F2)	☑			0.0000
593-53-3	HFC-41 (CH3F)	N/A	Methodology	Emissions (t)	Emissions (tCO_2e)
593-53-3	HFC-41 (CH3F)	☑			0.0000
138495-42-8	HFC-43-10mee (C5H2F10)	N/A	Methodology	Emissions (t)	Emissions (tCO_2e)
138495-42-8	HFC-43-10mee (C5H2F10)	☐	ON.43(d)_hfc	1.0000	1300.0000
354-33-6	HFC-125 (C2HF5)	N/A	Methodology	Emissions (t)	Emissions (tCO_2e)
354-33-6	HFC-125 (C2HF5)	☐	ON.43(d)_hfc	2.0000	5600.0000
359-35-3	HFC-134 (CHF2CHF2)	N/A	Methodology	Emissions (t)	Emissions (tCO_2e)
359-35-3	HFC-134 (CHF2CHF2)	☑			0.0000
811-97-2	HFC-134a (CH2FCF3)	N/A	Methodology	Emissions (t)	Emissions (tCO_2e)



811-97-2	HFC-134a (CH2FCF3)	☑			0.0000
430-66-0	HFC-143 (CHF2CH2F)	N/A	Methodology	Emissions (t)	Emissions (tCO_2e)
430-66-0	HFC-143 (CHF2CH2F)	☑			0.0000
420-46-2	HFC-143a (CF3CH3)	N/A	Methodology	Emissions (t)	Emissions (tCO_2e)
420-46-2	HFC-143a (CF3CH3)	☑			0.0000
75-37-6	HFC-152a (CH3CHF2)	N/A	Methodology	Emissions (t)	Emissions (tCO_2e)
75-37-6	HFC-152a (CH3CHF2)	☑			0.0000
431-89-0	HFC-227ea (C3HF7)	N/A	Methodology	Emissions (t)	Emissions (tCO_2e)
431-89-0	HFC-227ea (C3HF7)	☑			0.0000
690-39-1	HFC-236fa (C3H2F6)	N/A	Methodology	Emissions (t)	Emissions (tCO_2e)
690-39-1	HFC-236fa (C3H2F6)	☐	ON.43(d)_hfc	1.0000	6300.0000
679-86-7	HFC-245ca (C3H3F5)	N/A	Methodology	Emissions (t)	Emissions (tCO_2e)
679-86-7	HFC-245ca (C3H3F5)	☐	ON.43(d)_hfc	1.0000	560.0000
624-72-6	HFC-152 (1,2-difluoroethane)	N/A	Methodology	Emissions (t)	Emissions (tCO_2e)
624-72-6	HFC-152 (1,2-difluoroethane)	☐	ON.43(d)_hfc	1.0000	43.0000
353-36-6	HFC-161 (fluoroethane)	N/A	Methodology	Emissions (t)	Emissions (tCO_2e)
353-36-6	HFC-161 (fluoroethane)	☐	ON.43(d)_hfc	1.0000	12.0000
677-56-5	HFC-236cb (1,1,1,2,2,3- hexafluoropropane)	N/A	Methodology	Emissions (t)	Emissions (tCO_2e)
677-56-5	HFC-236cb (1,1,1,2,2,3-	☑			0.0000

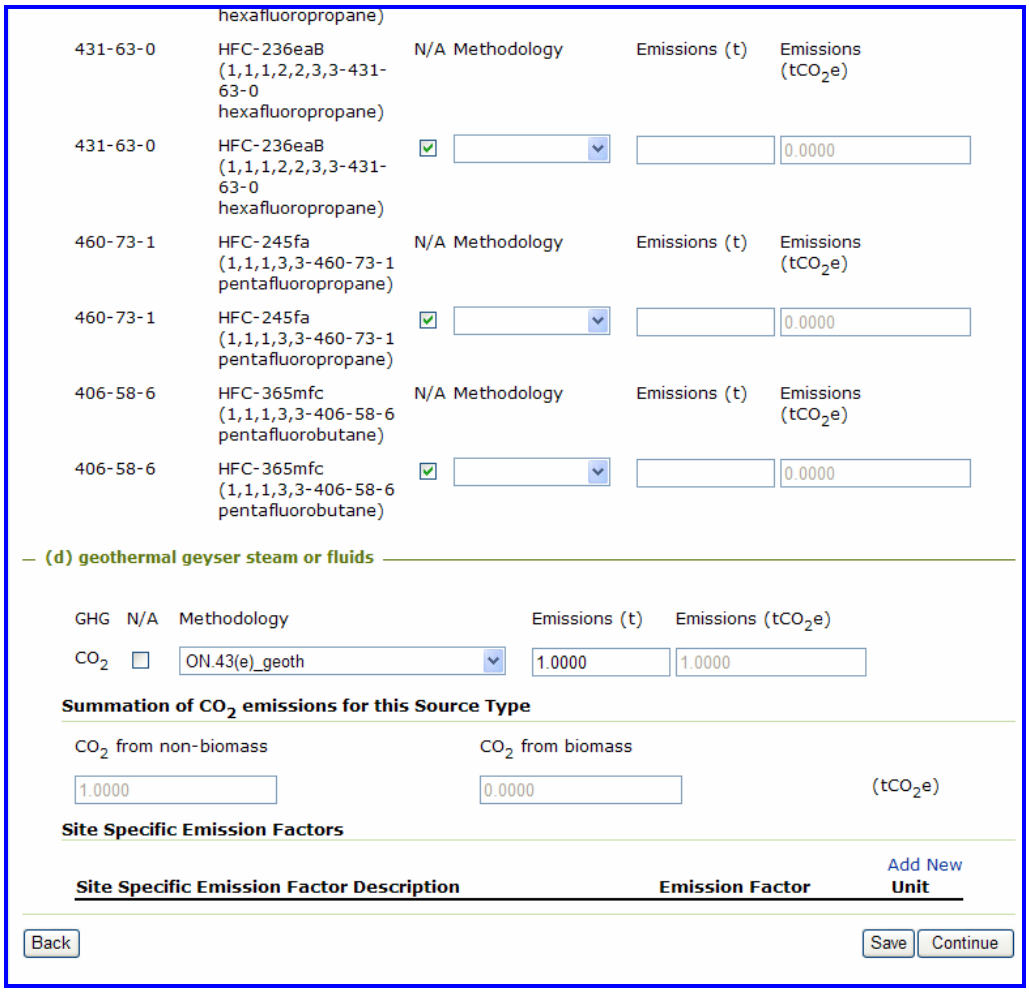


Figure 8.5-1: SQM Reporting Page for Electricity Generation and Cogeneration

8.6 Site Specific Emission Factors

To create a record for a site specific emissions factor, click '*Add New*'. To edit the record for a site specific emissions factor prior to submitting a report, click '*Edit*'. To delete the record for a site specific emissions factor prior to submitting a report, click '*Delete*'.

For site specific emissions factors, enter in text the emissions factor name (max of 50 characters). Enter the numeric value. For site specific unit, enter an alphanumeric value.

If you have more source specific emissions factor, select '*Add New*' button. All fields are mandatory (can't add a new factor until you complete the previous factor). You can edit and delete between the records you create for the different factors.

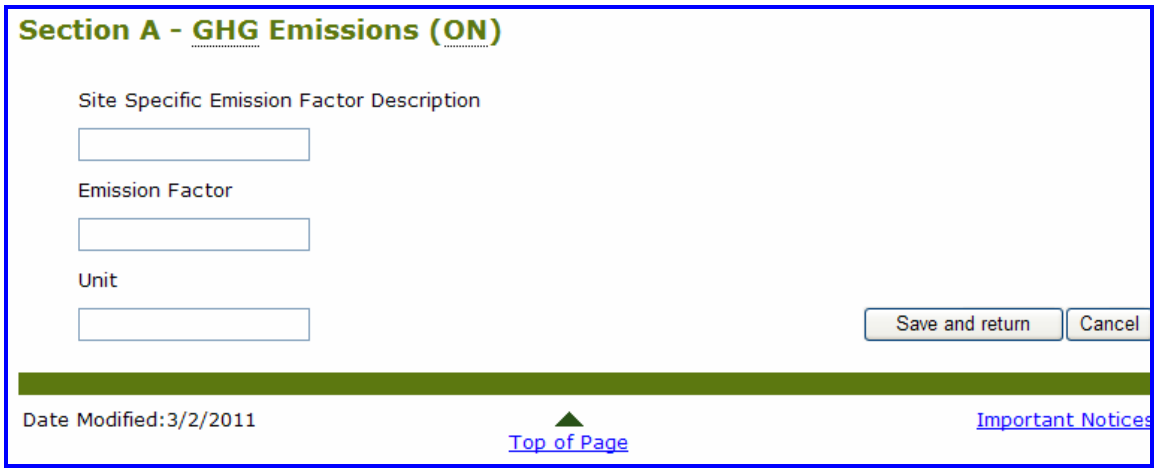


Figure 8.6-1: Site Specific Emission Factor

Select '*Save and Return*' button to go to the next screen to complete other source types. If all source types are complete, clicking continue will bring you to the next screen. The next screen will take you to quantify any CO2 captured at the facility including used, transferred or stored. Provide an amount or N/A. If CO2 is captured at the facility, provide an explanation on how the estimated total was determined and how the carbon dioxide may have been used, transferred or stored.

Click on '*Save*' and '*Continue*' to move on to Section B – Total GHG Emissions at Facility Level.

8.7 Best Alternative Quantification Method

Check the Best Alternative Quantification Method (BAQM) used for estimating GHG emissions for Electricity Generation and Cogeneration. At least one BAQM must be selected. If you have a BAQM that is Director-approved, select '*Browse*' and attach the approval document.

Enter the total source-level emission of each greenhouse gas (GHG). Values of "0" may be entered, or if not applicable, check N/A.

Refer to *Sources and Methodologies* in Section 3 for BAQM reporting page screenshot.

8.8 DeMinimis Method

Enter the DeMinimis emissions for each GHG, HFC and PFC. Values of "0" may be entered.

Refer to *Sources and Methodologies* in Section 3 for DeMinimis reporting page screenshot.

General Stationary Combustion

9 Source Type

For each source, you are required to identify the quantification method: De Minimis, Best Alternative Quantification Method(s) (BAQM), Standard Quantification Method (SQM) as indicated in *Section 3*. For further information, refer to Help File – *General Stationary Combustion*. You can identify multiple quantification methods too.

9.1 Standard Quantification Method – General Stationary Combustion

Enter the amount of steam generated from all units that burn biomass fuels or municipal solid waste (MSW) in kilograms (kg).

9.2 Standard Quantification Method – Fuel Type

For fuel type, choose the fuel type from the drop down list: Natural Gas, Diesel, Distillate Fuel Oil (#1, 2 & 4), Light Fuel Oil, Residual Fuel Oil (#5 & 6), Coal-Anthracite, Coal-Bituminous, Landfill Gas, Spent Pulping Liquor (Env. Canada), Spent Pulping Liquor (US EPA), Wood Waste (Env Canada), Wood Waste (US EPA), Municipal Solid Waste (MSW), Coal Coke, Tires, Other.

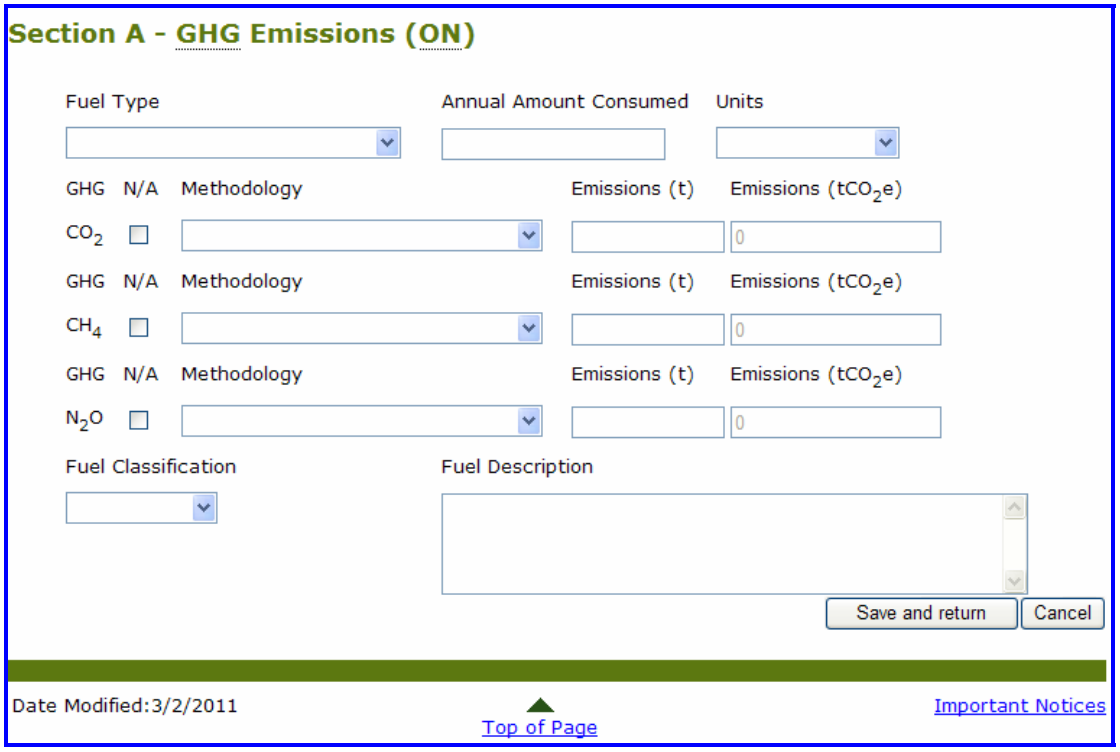


Figure 9.2-1: Fuel Type

If '*Other*' is chosen, Fuel description field will be displayed. Enter a descriptor using text and/or number(s) in the fuel description field. For Fuel classification drop down box, choose one of the following: Biomass, Non-Biomass. Enter in

numeric value for annual amount consumed. Choose the unit in the drop down box: Sm^3, Kilolitres, Tonnes, Bone Dry Tonnes.
If other fuel type, enter '*Add New*'. New record is displayed for fields: Fuel type, annual amount consumed CO2, CH4 and N2O.

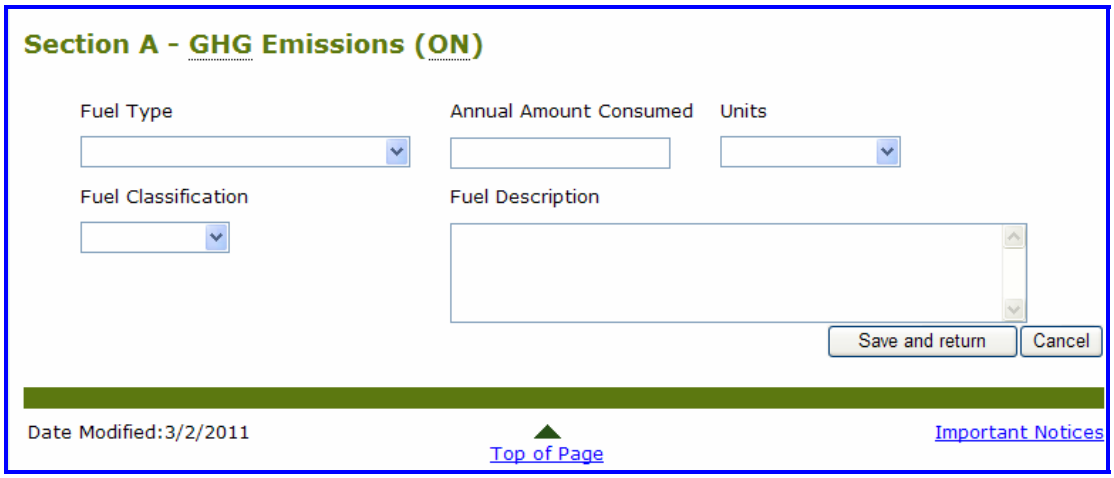


Figure 9.2-2: Fuel Type for Non-Biomass and Biomass

Enter in emission values for CO2, CH4, and N2O. If an emission type is not present at your facility, select '*N/A*' for each of the emissions. Do not enter "0" (zero) for Emissions in this situation.

Choose the **CO2 Methodology**: ON.23(b2)_Steam, ON.23(c2)_Steam.
Choose the CH4 and N2O Methodology: ON.24(c)_EF, ON.24(a)_def, ON.24(b)_HHV, ON.24(f)_Source EF

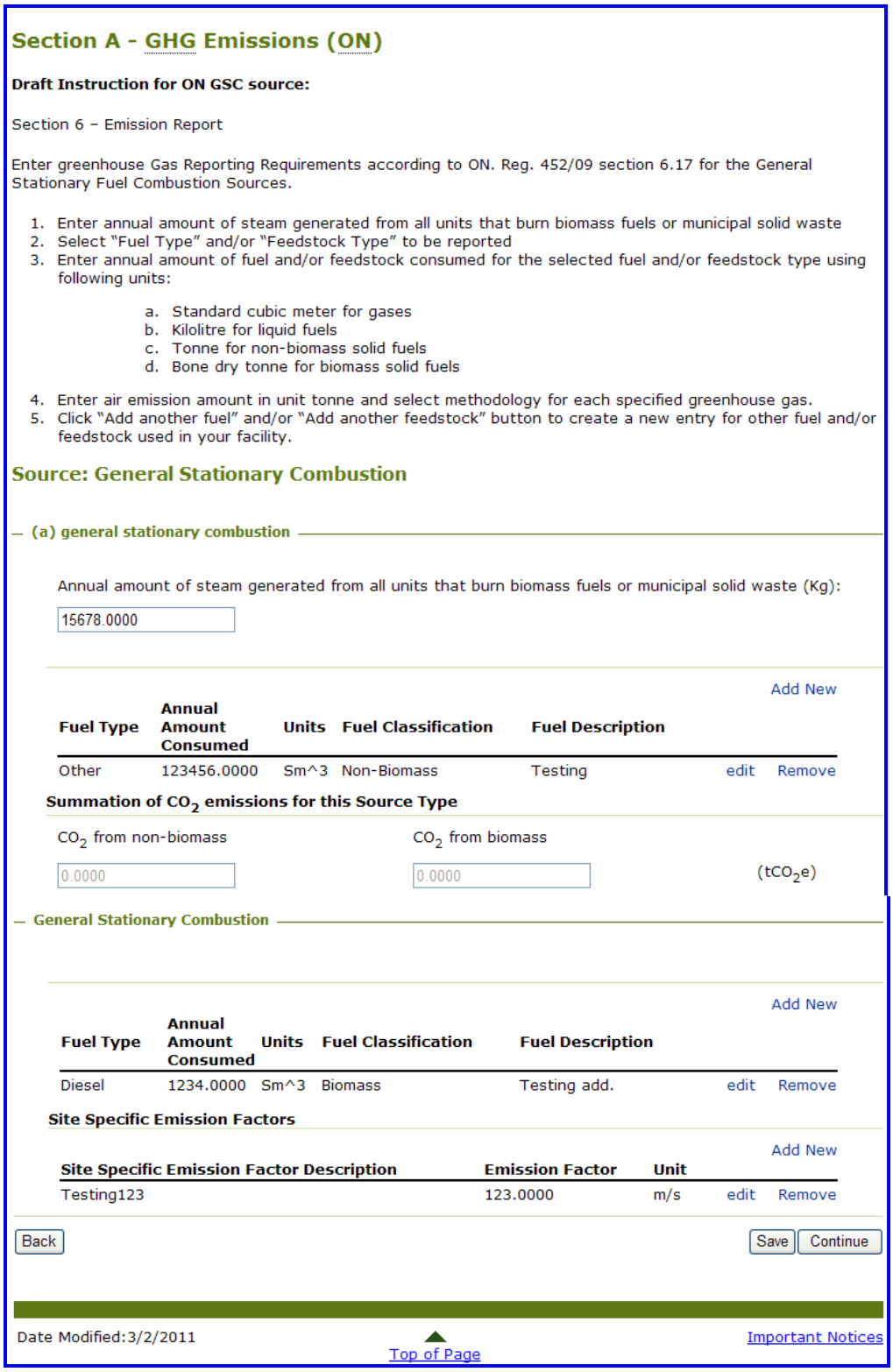

Section A - GHG Emissions (ON)
Draft Instruction for ON GSC source:
Section 6 – Emission Report
Enter greenhouse Gas Reporting Requirements according to ON. Reg. 452/09 section 6.17 for the General Stationary Fuel Combustion Sources.
1. Enter annual amount of steam generated from all units that burn biomass fuels or municipal solid waste
2. Select "Fuel Type" and/or "Feedstock Type" to be reported
3. Enter annual amount of fuel and/or feedstock consumed for the selected fuel and/or feedstock type using following units:
a. Standard cubic meter for gases
b. Kilolitre for liquid fuels
c. Tonne for non-biomass solid fuels
d. Bone dry tonne for biomass solid fuels
4. Enter air emission amount in unit tonne and select methodology for each specified greenhouse gas.
5. Click "Add another fuel" and/or "Add another feedstock" button to create a new entry for other fuel and/or feedstock used in your facility.
Source: General Stationary Combustion
(a) general stationary combustion
Annual amount of steam generated from all units that burn biomass fuels or municipal solid waste (Kg):
15678.0000
Add New
Fuel Type
Annual Amount Consumed
Units
Fuel Classification
Fuel Description
Other
123456.0000
Sm^3
Non-Biomass
Testing
edit
Remove
Summation of CO2 emissions for this Source Type
CO2 from non-biomass
CO2 from biomass
0.0000
0.0000
(tCO2e)
General Stationary Combustion
Add New
Fuel Type
Annual Amount Consumed
Units
Fuel Classification
Fuel Description
Diesel
1234.0000
Sm^3
Biomass
Testing add.
edit
Remove
Site Specific Emission Factors
Add New
Site Specific Emission Factor Description
Emission Factor
Unit
Testing123
123.0000
m/s
edit
Remove
Back
Save
Continue
Date Modified:3/2/2011
Top of Page
Important Notices

Figure 9.2-3: SQM Reporting Page for General Stationary Combustion

9.3 Site Specific Emission Factors

To create a record for a site specific emissions factor, click '*Add New*'. To edit the record for a site specific emissions factor prior to submitting a report, click '*Edit*'. To delete the record for a site specific emissions factor prior to submitting a report, click '*Delete*'.

For site specific emissions factors, enter in text the emissions factor name (max of 50 characters). Enter the numeric value. For site specific unit, enter an alphanumeric value.

If you have more source specific emissions factor, select '*Add New*' button. All fields are mandatory (can't add a new factor until you complete the previous factor). You can edit and delete between the records you create for the different factors.

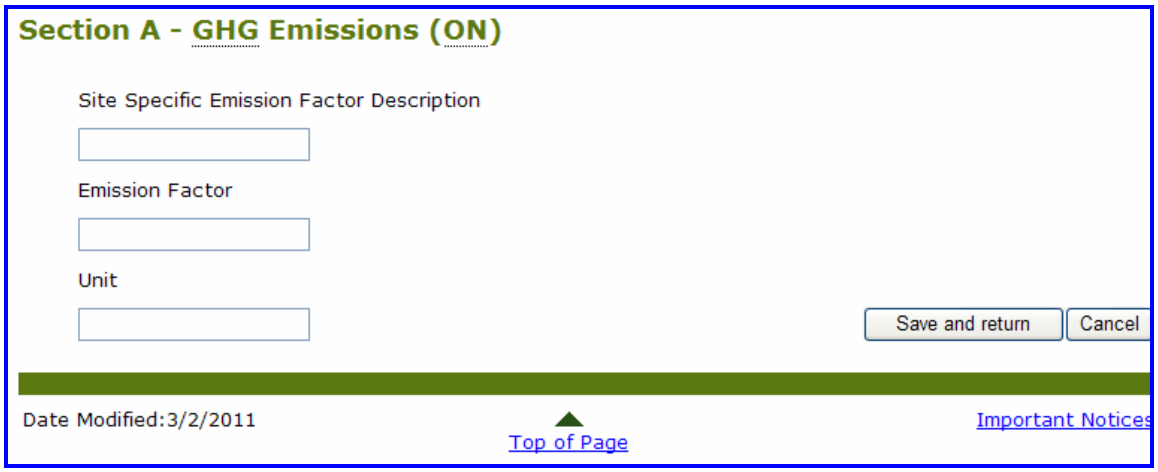


Figure 9.3-1: Site Specific Emission Factor

Select '*Save and Return*' button to go to the next screen to complete other source types. If all source types are complete, clicking continue will bring you to the next screen. The next screen will take you to quantify any CO2 captured at the facility including used, transferred or stored. Provide an amount or N/A. If CO2 is captured at the facility, provide an explanation on how the estimated total was determined and how the carbon dioxide may have been used, transferred or stored.

Click on '*Save*' and '*Continue*' to move on to Section B – Total GHG Emissions at Facility Level.

9.4 Best Alternative Quantification Method

Check the Best Alternative Quantification Method (BAQM) used for estimating GHG emissions for General Stationary Combustion. At least one BAQM must be selected. If you have a BAQM that is Director-approved, select '*Browse*' and attach the approval document.

Enter the total source-level emission of each greenhouse gas (GHG). Values of "0" may be entered, or if not applicable, check N/A.

Refer to *Sources and Methodologies* in Section 3 for BAQM reporting page screenshot.

9.5 DeMinimis Method

Enter the DeMinimis emissions for each GHG, HFC and PFC. Values of "0" may be entered.

Refer to *Sources and Methodologies* in Section 3 for DeMinimis reporting page screenshot.

Hydrogen Production

10 Source Type

For each source, you are required to identify the quantification method: De Minimis, Best Alternative Quantification Method(s) (BAQM), Standard Quantification Method (SQM) as indicated in *Section 3*. For further information, refer to Help File – *Hydrogen Production*.

10.1 Standard Quantification Method – Emissions from Transformation of Hydrocarbon Feedstock

Enter in numeric value in Annual Hydrogen Produced (up to 13 digits).

Enter values for emissions in tonnes CO2.

Select **Methodology_CO2** from drop down list: ON.133 (a)_CEMS, ON.133 (b)_Mass Balance.

10.2 Standard Quantification Method – Feedstock Type

To enter a feedstock type, select '*Add New*'. Enter a descriptor using text and/or number(s) in the feedstock type field. Enter in numeric value greater than zero in Annual Amount Consumed. Choose the unit from the drop down box: Sm^3, Kilolitres, Tonnes, Bone Dry Tonnes. Click on '*Save and Return*'.

To add another feedstock, select '*Add New*'.

Enter in numeric value greater than zero and less than one in Fraction of process CO2 emissions from combustion of biomass (if CEMS is used).

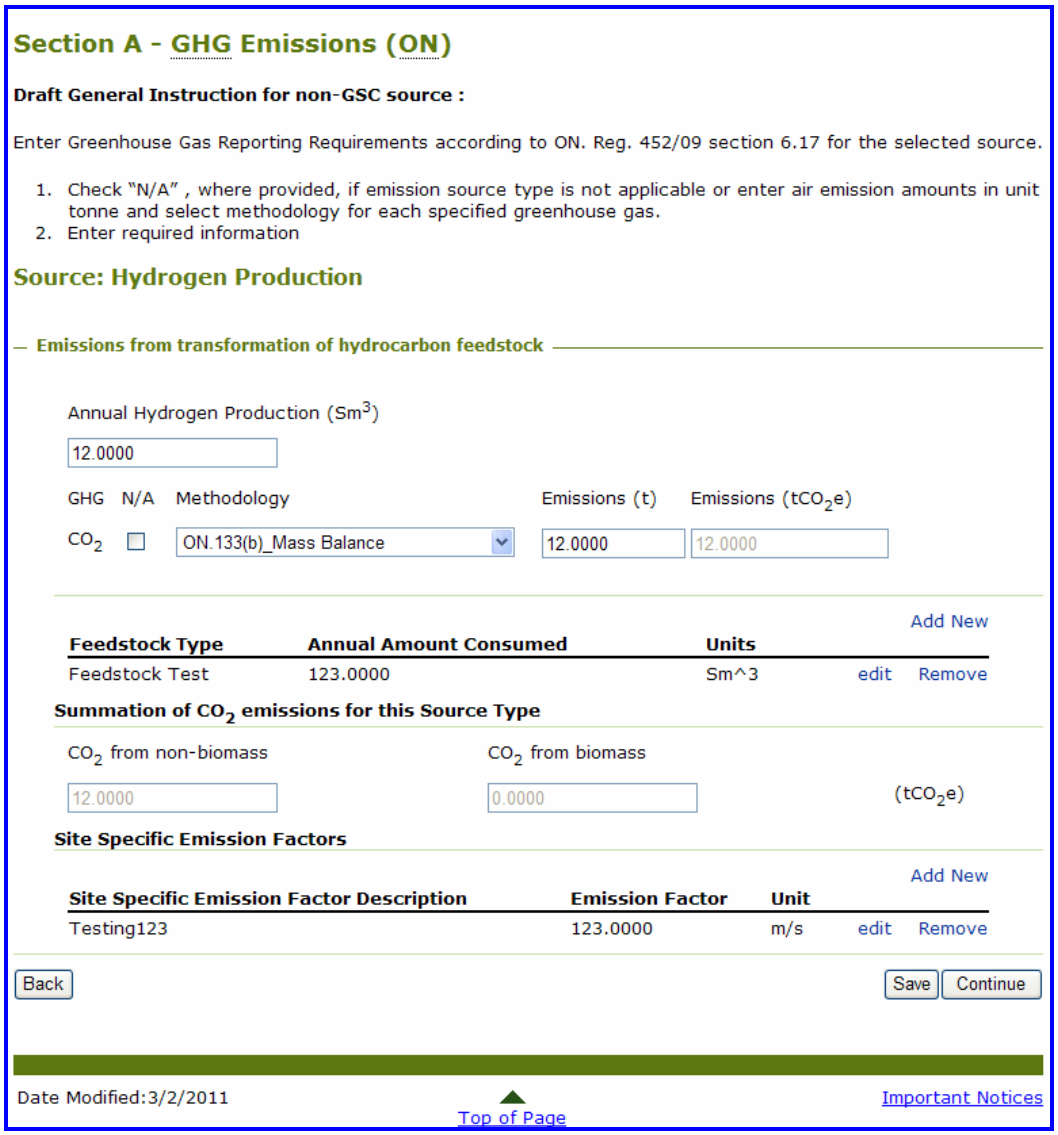

Section A - GHG Emissions (ON)
Draft General Instruction for non-GSC source :
Enter Greenhouse Gas Reporting Requirements according to ON. Reg. 452/09 section 6.17 for the selected source.
1. Check "N/A" , where provided, if emission source type is not applicable or enter air emission amounts in unit tonne and select methodology for each specified greenhouse gas.
2. Enter required information
Source: Hydrogen Production
Emissions from transformation of hydrocarbon feedstock
Annual Hydrogen Production (Sm3)
12.0000
GHG N/A Methodology Emissions (t) Emissions (tCO2e)
CO2
ON.133(b)_Mass Balance
12.0000
12.0000
Add New
Feedstock Type Annual Amount Consumed Units
Feedstock Test 123.0000 Sm^3 edit Remove
Summation of CO2 emissions for this Source Type
CO2 from non-biomass
CO2 from biomass
12.0000
0.0000
(tCO2e)
Site Specific Emission Factors
Add New
Site Specific Emission Factor Description Emission Factor Unit
Testing123 123.0000 m/s edit Remove
Back
Save
Continue
Date Modified:3/2/2011
Top of Page
Important Notices

Figure 10.2-1: SQM Reporting Page for Hydrogen Production

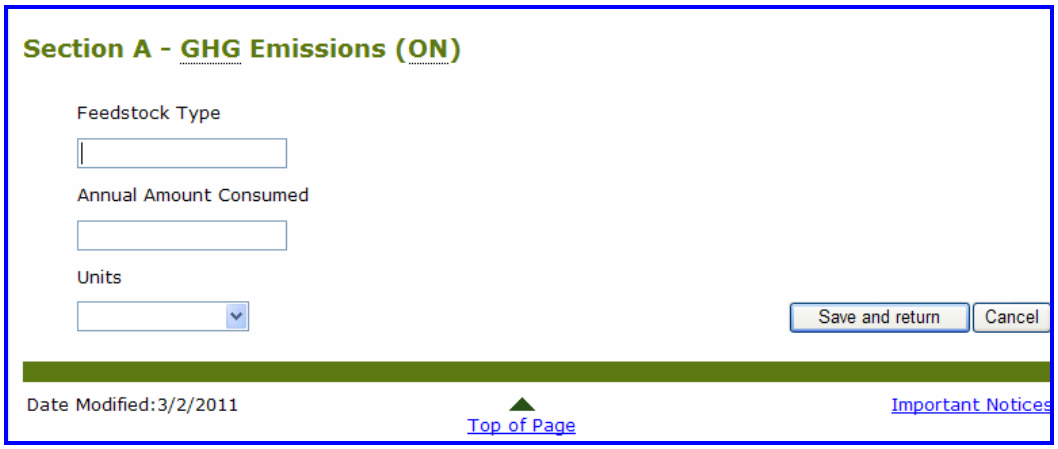


Figure 10.2-2: Feedstock Type

10.3 Site Specific Emission Factors

To create a record for a site specific emissions factor, click '*Add New*'. To edit the record for a site specific emissions factor prior to submitting a report, click '*Edit*'. To delete the record for a site specific emissions factor prior to submitting a report, click '*Delete*'.

For site specific emissions factors, enter in text the emissions factor name (max of 50 characters). Enter the numeric value. For site specific unit, enter an alphanumeric value.

If you have more source specific emissions factor, select '*Add New*' button. All fields are mandatory (can't add a new factor until you complete the previous factor). You can edit and delete between the records you create for the different factors.

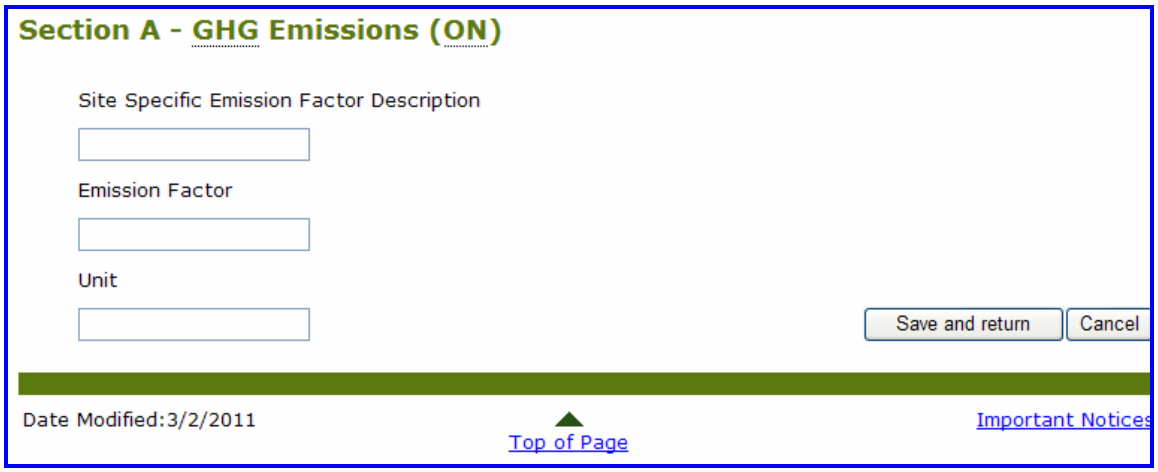


Figure 10.3-1: Site Specific Emission Factor

Select '*Save and Return*' button to go to the next screen to complete other source types. If all source types are complete, clicking continue will bring you to the next screen. The next screen will take you to quantify any CO2 captured at the facility including used, transferred or stored. Provide an amount or N/A. If CO2 is captured at the facility, provide an explanation on how the estimated total was determined and how the carbon dioxide may have been used, transferred or stored.

Click on '*Save*' and '*Continue*' to move on to Section B – Total GHG Emissions at Facility Level.

10.4 Best Alternative Quantification Method

Check the Best Alternative Quantification Method (BAQM) used for estimating GHG emissions for Hydrogen Production. At least one BAQM must be selected. If you have a BAQM that is Director-approved, select '*Browse*' and attach the approval document.

Enter the total source-level emission of each greenhouse gas (GHG). Values of "0" may be entered, or if not applicable, check N/A.

Refer to *Sources and Methodologies* in Section 3 for BAQM reporting page screenshot.

10.5 DeMinimis Method

Enter the DeMinimis emissions for each GHG, HFC and PFC. Values of "0" may be entered.

Refer to *Sources and Methodologies* in Section 3 for DeMinimis reporting page screenshot.

Iron and Steel Manufacturing

11 Source Type

For each source, you are required to identify the quantification method: De Minimis, Best Alternative Quantification Method(s) (BAQM), Standard Quantification Method (SQM) as indicated in *Section 3*. For further information, refer to Help File – *Iron and Steel Manufacturing*.

11.1 Standard Quantification Method – Coke Production

Choose from the **CO2 Methodology**: ON.153(b)_coke_production, ON.153(a)_CEMS.

Enter CO2 emission in tonnes. Enter CH4 emission in tonnes.

Click on '*Add New*' to report by-product type for coke production: coking coal, other in the drop down list for Type.

Enter value of coke production for annual amount produced in tonnes.

Enter a descriptor using text and/or number(s) in the Process Material Description field. This field is mandatory if '*Other*' is selected in the source type drop down box. Select '*Add New*'. New record is displayed for field: By-product type, annual amount produced, description.

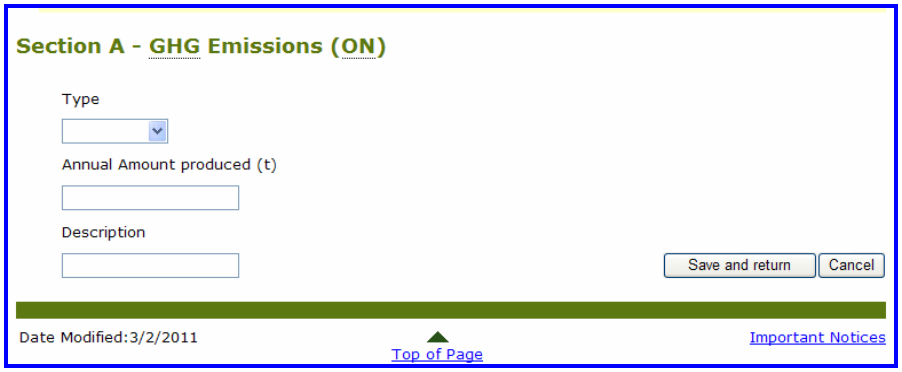


Figure 11.1-1: By-product Type

11.2 Standard Quantification Method – Iron and Steel Production

For **Iron and Steel Production**, choose from the Methodology: ON.153(c)_iron_and_steel_production, ON.153(a)_CEMS.

For **CO2 Methodology**, choose ON.154(a)(2)_EF. Enter CO2 emission in tonnes. Enter CH4 emission in tonnes. Choose from the by-product type on the drop down box: coal tar, light oil, coke breeze, other.

Enter value in the Quantity of Coke consumed (excluding sinter) and annual amount produced in tonnes.

Enter number or text in steel produced and the annual amount produced in tonnes.

Enter in value in the Quantity of Iron Produced Not Converted to Steel and the annual amount produced in tonnes.

Enter '*Add New*' for others in the by-product section for on-site coke oven by-product consumed. New record is displayed for all fields under "By-product" section.

Section A - GHG Emissions (ON)
On-Site Coke Oven By-Product Consumed - Type
On-Site Coke Oven By-Product Consumed - Annual Amount Produced (t)
Save and return
Cancel
Date Modified:3/2/2011
Top of Page
Important Notices

Figure 11.2-1: On-site Coke oven By-product Consumed

11.3 Standard Quantification Method – Sinter Production

For sinter production, choose from the **CO2 Methodology**: ON.153(d)_sinter_production, ON.153(a)_CEMS.

For CO2, enter in emission value in tonnes. Enter in emission value for CH4.

Enter in annual amount produced in tonnes.

11.4 Standard Quantification Method – Direct Reduced Iron Production

For Direct Reduced Iron Production, choose the Methodology: ON.154(a)(2)_EF. Enter emission value in tonnes for CO2 for direct reduced iron production. Enter emission value in tonnes for CH4 for direct reduced iron production. Enter number for the annual amount produced field for direct reduced iron production.

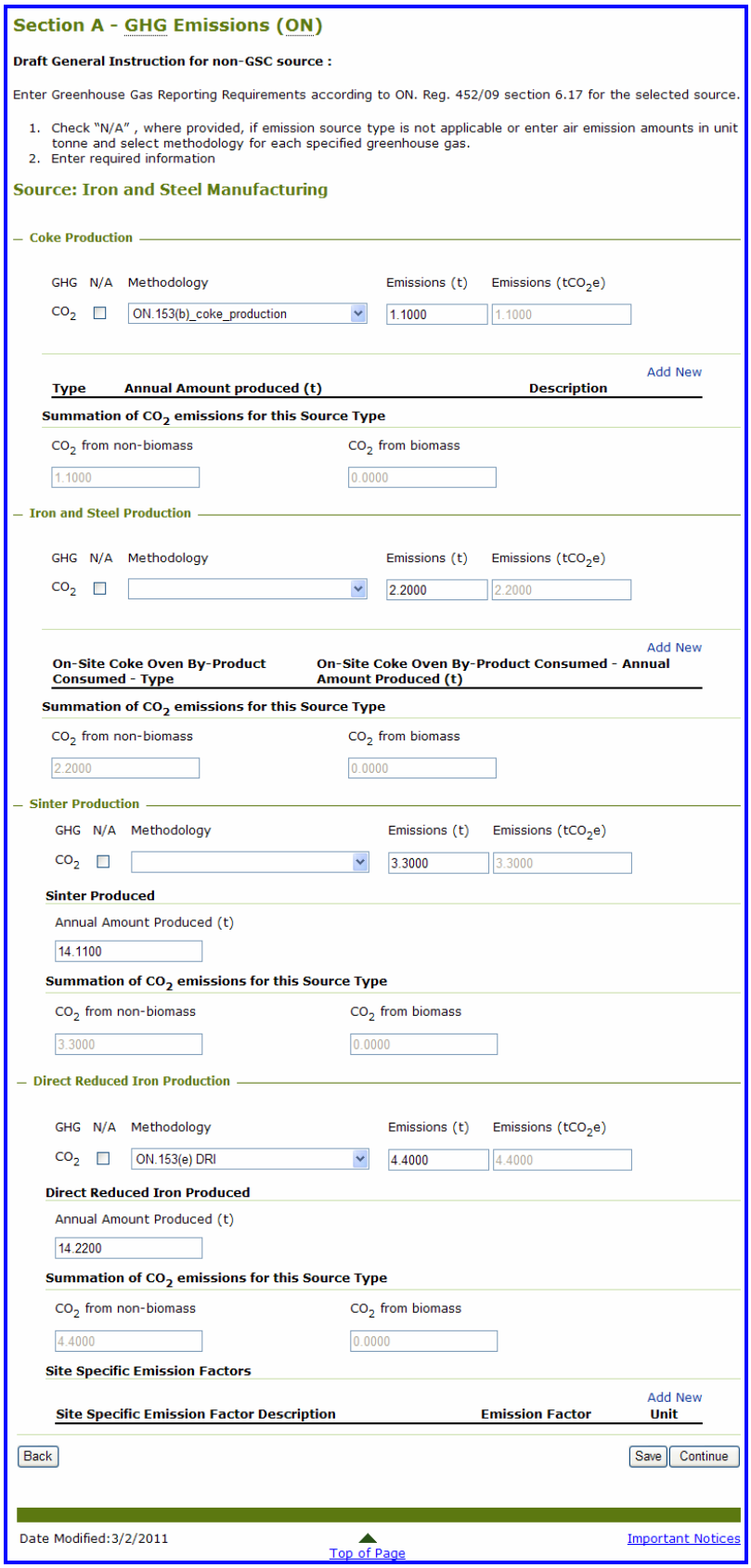

Section A - GHG Emissions (ON)
Draft General Instruction for non-GSC source :
Enter Greenhouse Gas Reporting Requirements according to ON. Reg. 452/09 section 6.17 for the selected source.
1. Check "N/A" , where provided, if emission source type is not applicable or enter air emission amounts in unit tonne and select methodology for each specified greenhouse gas.
2. Enter required information
Source: Iron and Steel Manufacturing
Coke Production
GHG N/A Methodology Emissions (t) Emissions (tCO2e)
CO2 ON.153(b)_coke_production 1.1000 1.1000
Add New
Type Annual Amount produced (t) Description
Summation of CO2 emissions for this Source Type
CO2 from non-biomass CO2 from biomass
1.1000 0.0000
Iron and Steel Production
GHG N/A Methodology Emissions (t) Emissions (tCO2e)
CO2 2.2000 2.2000
Add New
On-Site Coke Oven By-Product Consumed - Type On-Site Coke Oven By-Product Consumed - Annual Amount Produced (t)
Summation of CO2 emissions for this Source Type
CO2 from non-biomass CO2 from biomass
2.2000 0.0000
Sinter Production
GHG N/A Methodology Emissions (t) Emissions (tCO2e)
CO2 3.3000 3.3000
Sinter Produced
Annual Amount Produced (t)
14.1100
Summation of CO2 emissions for this Source Type
CO2 from non-biomass CO2 from biomass
3.3000 0.0000
Direct Reduced Iron Production
GHG N/A Methodology Emissions (t) Emissions (tCO2e)
CO2 ON.153(e) DRI 4.4000 4.4000
Direct Reduced Iron Produced
Annual Amount Produced (t)
14.2200
Summation of CO2 emissions for this Source Type
CO2 from non-biomass CO2 from biomass
4.4000 0.0000
Site Specific Emission Factors
Add New
Site Specific Emission Factor Description Emission Factor Unit
Back
Save
Continue
Date Modified:3/2/2011
Top of Page
Important Notices

Figure 11.4-1: SQM Reporting Page for Iron and Steel Manufacturing

11.5 Site Specific Emission Factors

To create a record for a site specific emissions factor, click '*Add New*'. To edit the record for a site specific emissions factor prior to submitting a report, click '*Edit*'. To delete the record for a site specific emissions factor prior to submitting a report, click '*Delete*'.

For site specific emissions factors, enter in text the emissions factor name (max of 50 characters). Enter the numeric value. For site specific unit, enter an alphanumeric value.

If you have more source specific emissions factor, select '*Add New*' button. All fields are mandatory (can't add a new factor until you complete the previous factor). You can edit and delete between the records you create for the different factors.

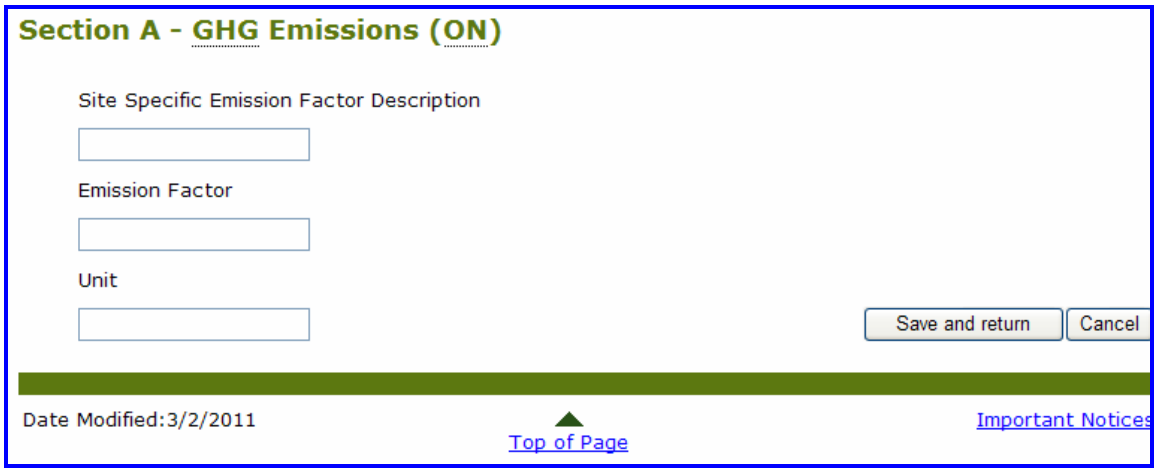


Figure 11.5-1: Site Specific Emission Factor

Select '*Save and Return*' button to go to the next screen to complete other source types. If all source types are complete, clicking continue will bring you to the next screen. The next screen will take you to quantify any CO2 captured at the facility including used, transferred or stored. Provide an amount or N/A. If CO2 is captured at the facility, provide an explanation on how the estimated total was determined and how the carbon dioxide may have been used, transferred or stored.

Click on '*Save*' and '*Continue*' to move on to Section B – Total GHG Emissions at Facility Level.

11.6 Best Alternative Quantification Method

Check the Best Alternative Quantification Method (BAQM) used for estimating GHG emissions for Iron and Steel Manufacturing. At least one BAQM must be selected. If you have a BAQM that is Director-approved, select '*Browse*' and attach the approval document.

Enter the total source-level emission of each greenhouse gas (GHG). Values of "0" may be entered, or if not applicable, check N/A.

Refer to *Sources and Methodologies* in Section 3 for BAQM reporting page screenshot.

11.7 DeMinimis Method

Enter the DeMinimis emissions for each GHG, HFC and PFC. Values of "0" may be entered.

Refer to *Sources and Methodologies* in Section 3 for DeMinimis reporting page screenshot.

Lead

12 Source Type

For each source, you are required to identify the quantification method: De Minimis, Best Alternative Quantification Method(s) (BAQM), Standard Quantification Method (SQM) as indicated in *Section 3*. For further information, refer to Help File – *Lead Production*.

12.1 Standard Quantification Method – The Use of Reducing Agents

Select **Methodology_CO2** from drop down list: ON.163 (a)_CEMS, ON.163 (b)_CC.

Enter values for emissions in tonnes CO2.

Click on '*Add New*' to enter the reducing agent. Enter a descriptor using text and/or number(s) in the reducing agent field (max up to 50 characters).

Enter the numeric value in annual amount used in tonnes (up to 13 digits).

Enter in numeric fraction in carbon content (weight fraction) (between 0 and 1).

Click on '*Save and Return*'. If more fraction in carbon content, select '*Add New*'.

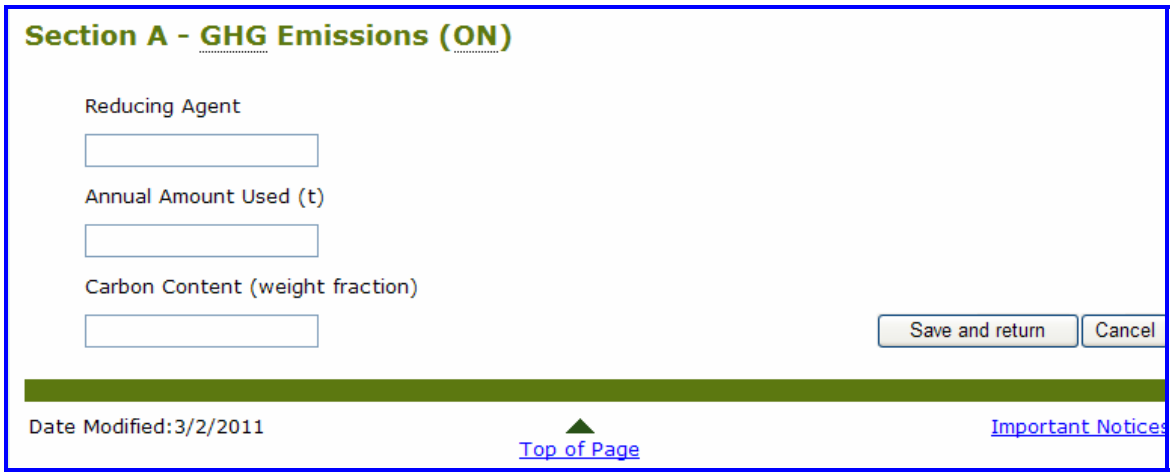


Figure 12.1-1: Reducing Agents

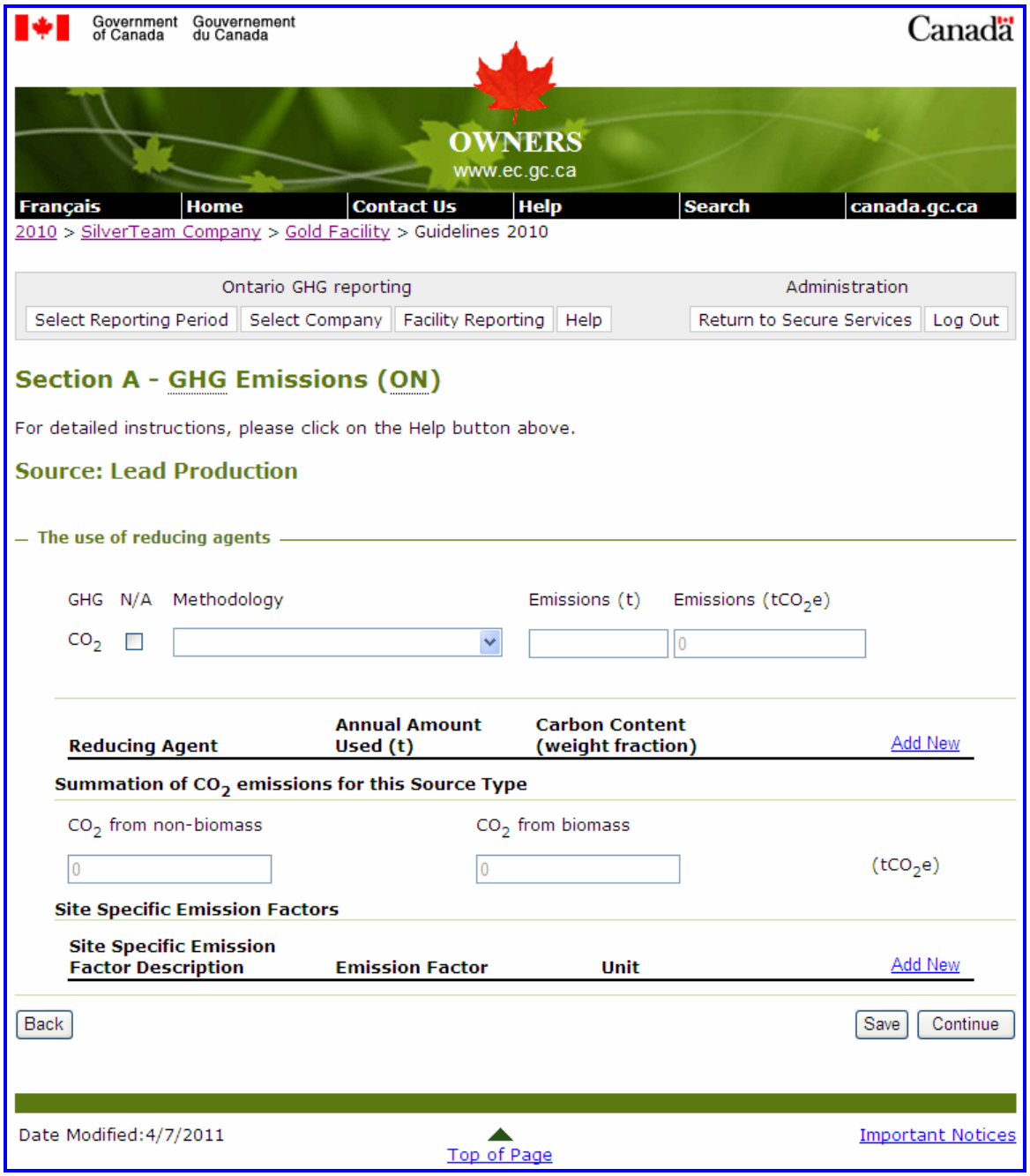


Figure 12.1-2: SQM Reporting Page for Lead

12.2 Site Specific Emission Factors

To create a record for a site specific emissions factor, click '*Add New*'. To edit the record for a site specific emissions factor prior to submitting a report, click '*Edit*'. To delete the record for a site specific emissions factor prior to submitting a report, click '*Delete*'.

For site specific emissions factors, enter in text the emissions factor name (max of 50 characters). Enter the numeric value. For site specific unit, enter an alphanumeric value.

If you have more source specific emissions factor, select '*Add New*' button. All fields are mandatory (can't add a new factor until you complete the previous factor). You can edit and delete between the records you create for the different factors.

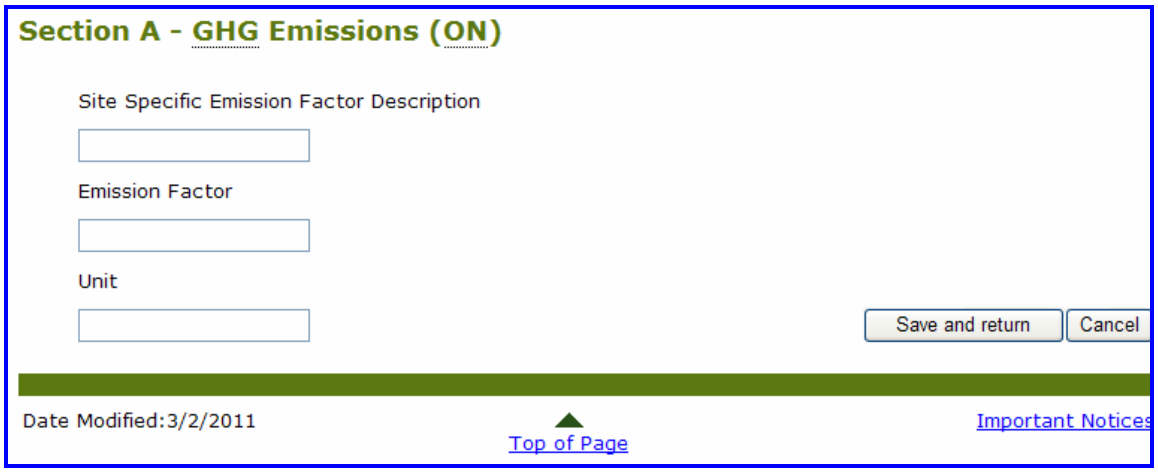


Figure 12.2-1: Site Specific Emission Factor

Select '*Save and Return*' button to go to the next screen to complete other source types. If all source types are complete, clicking continue will bring you to the next screen. The next screen will take you to quantify any CO2 captured at the facility including used, transferred or stored. Provide an amount or N/A. If CO2 is captured at the facility, provide an explanation on how the estimated total was determined and how the carbon dioxide may have been used, transferred or stored.

Click on '*Save*' and '*Continue*' to move on to Section B – Total GHG Emissions at Facility Level.

12.3 Best Alternative Quantification Method

Check the Best Alternative Quantification Method (BAQM) used for estimating GHG emissions for Lead. At least one BAQM must be selected. If you have a BAQM that is Director-approved, select '*Browse*' and attach the approval document.

Enter the total source-level emission of each greenhouse gas (GHG). Values of "0" may be entered, or if not applicable, check N/A.

Refer to *Sources and Methodologies* in Section 3 for BAQM reporting page screenshot.

12.4 DeMinimis Method

Enter the DeMinimis emissions for each GHG, HFC and PFC. Values of "0" may be entered.

Refer to *Sources and Methodologies* in Section 3 for DeMinimis reporting page screenshot.

Lime Manufacturing

13 Source Type

For each source, you are required to identify the quantification method: De Minimis, Best Alternative Quantification Method(s) (BAQM), Standard Quantification Method (SQM) as indicated in *Section 3*. For further information, refer to Help File – *Lime Manufacturing*.

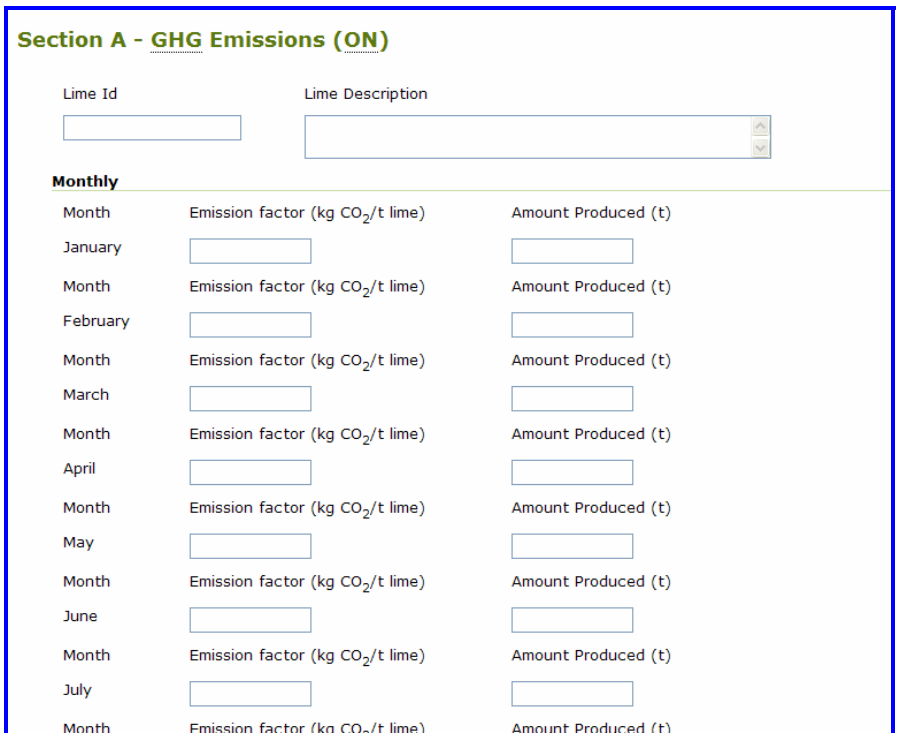
13.1 Standard Quantification Method – Calcination of Carbonate Materials

Choose the **CO2 Methodology**: ON.173(a)(1)_EF, ON.173(a)(2)_CEMS, ON.173(b)(1)_EF, ON.173(b)(2)_CEMS.

Enter the CO2 emission in tonnes (13 digit total, max. 4 decimals).

13.1.1 Lime

Click on '*Add New*' to enter the lime used at the facility. Enter a descriptor using text and/or number(s) in the Lime Id field for the calcination of carbonate materials. . Enter a descriptor using text and/or number(s) in the Lime Description field. Enter value in Emission factor fields for all months of the reporting year in kg CO2 / t lime. Enter the value in amount produced in tonnes for all months of the reporting year.



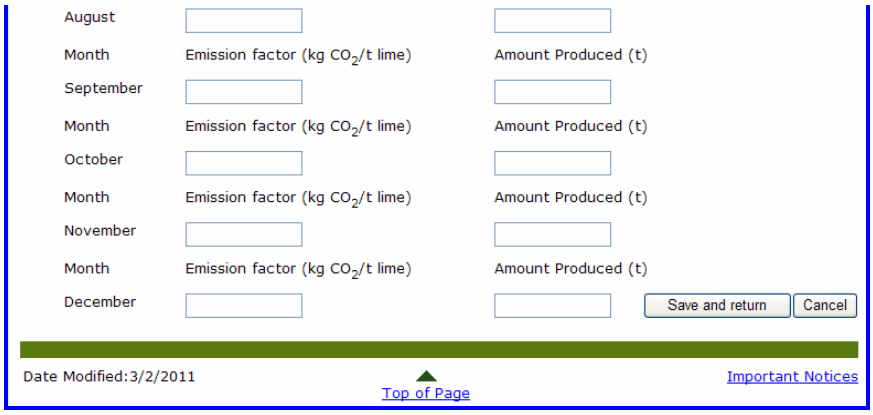


Figure 13.1-1: Lime ID

If other calcination of carbonate materials, select '*Add New*'. New record is displayed for fields: Lime Id, Lime description and monthly Emission Factors and Amount Produced fields.

13.1.2 By-products

For calcination of carbonate materials, enter a descriptor using text and/or number(s) in the Byproduct Id field. Enter a descriptor using text and/or number(s) in the Byproduct Description field. Enter values for emission factor fields for all months of the reporting year in kg CO2 / t byproduct. Enter value in Quarterly Amount produced in tonnes for all months of the reporting year.

If other calcination of carbonate materials, select '*Add New*'. New record is displayed for fields: Byproduct Id, Byproduct description, monthly Emission Factors and Quarterly Amount Produced fields.

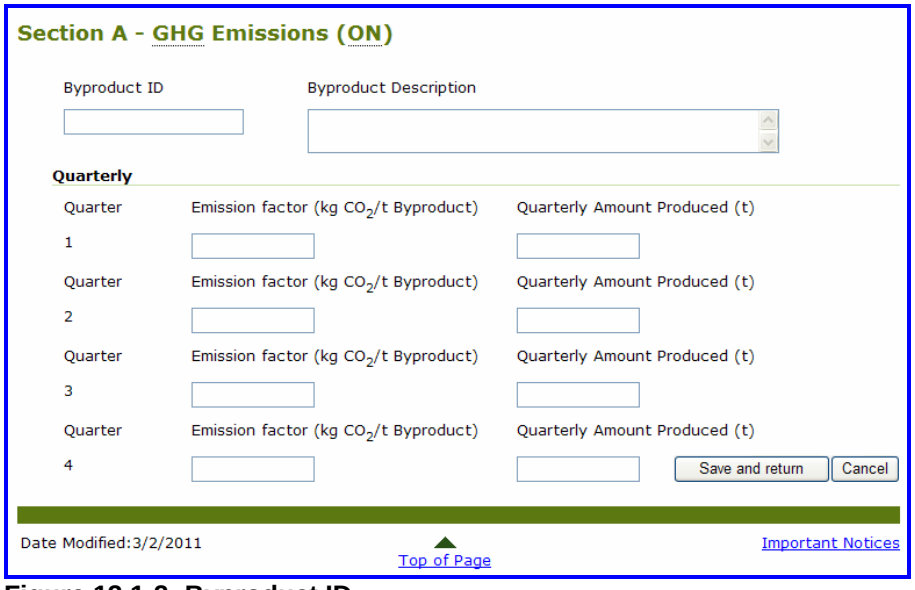


Figure 13.1-2: Byproduct ID

13.2 Standard Quantification Method – General Stationary Combustion

13.2.1 Fuel Combustion Emissions from all Kilns Combined

For CO2, CH4 and N2O for fuel combustion emissions from all kilns combined, enter in emission number in tonnes.

13.2.2 Fuel Combustion Emissions from all Other Fuel Combustion Units Combined (Kilns Excluded)

For CO2, CH4 and N2O for fuel combustion emissions from all other fuel combustion units combined (kilns excluded), enter in emission number in tonnes.

For fuel type, choose the fuel type from the drop down list: Natural Gas, Diesel, Distillate Fuel Oil (#1, 2 & 4), Light Fuel Oil, Residual Fuel Oil (#5 & 6), Coal-Anthracite, Coal-Bituminous, Landfill Gas, Spent Pulping Liquor (Env. Canada), Spent Pulping Liquor (US EPA), Wood Waste (Env Canada), Wood Waste (US EPA), Municipal Solid Waste (MSW), Coal Coke, Tires, Other.

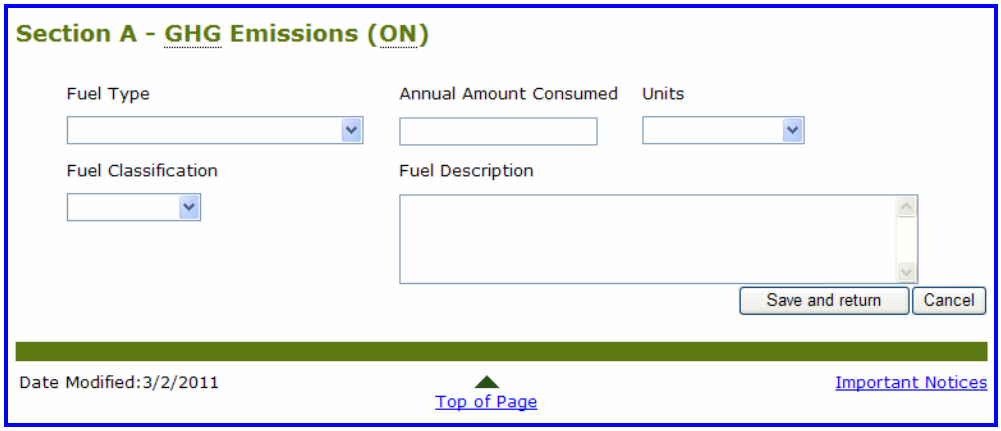


Figure 13.2-1: Fuel Type

If '*Other*' is chosen, Fuel description field will be displayed. Enter a descriptor using text and/or number(s) in the fuel description field. For Fuel classification drop down box, choose one of the following: Biomass, Non-Biomass. Enter in numeric value for annual amount consumed. Choose the unit in the drop down box: Sm^3, Kilolitres, Tonnes, Bone Dry Tonnes.

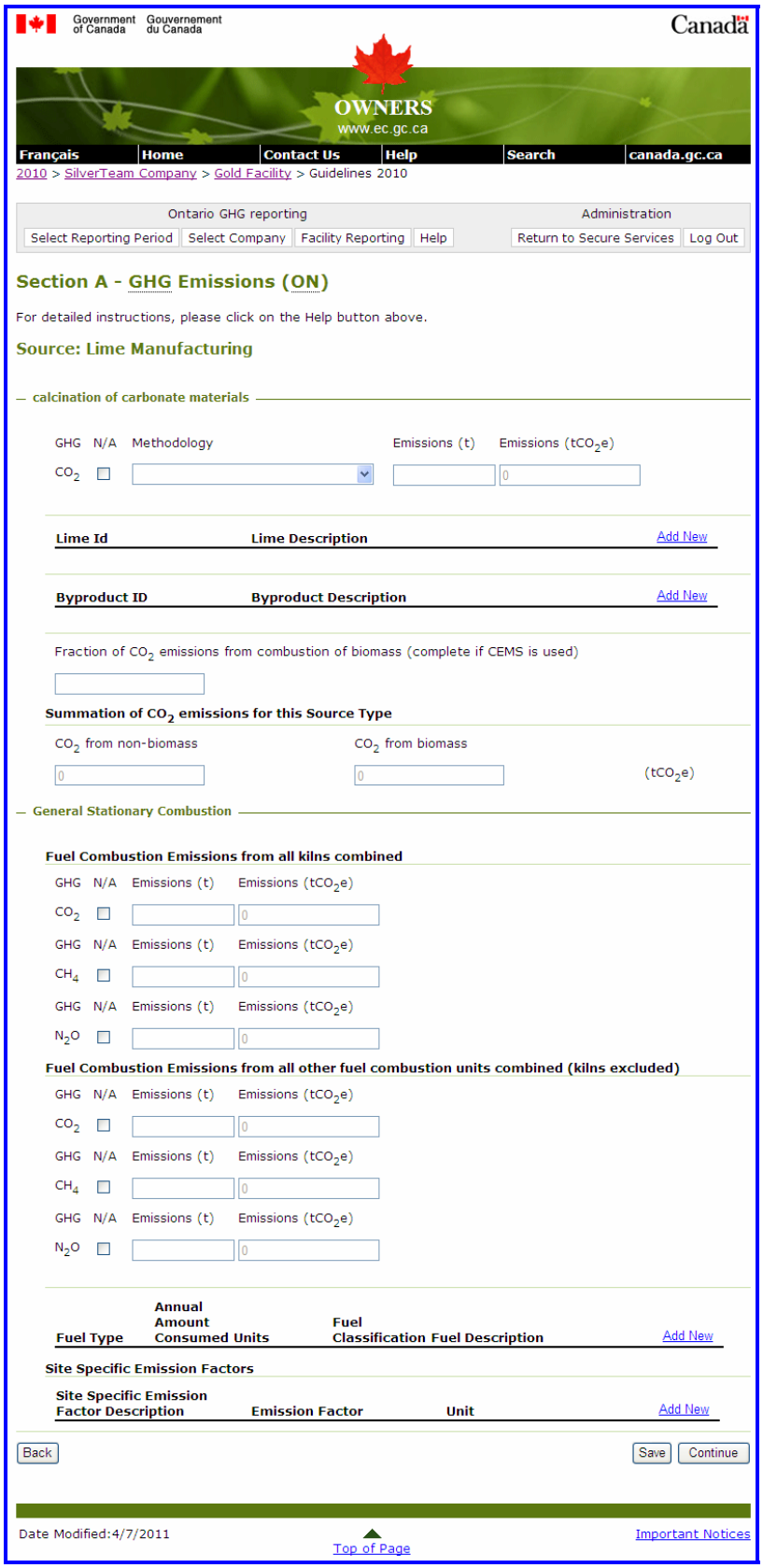


Figure 13.2-2: SQM Page for Lime Manufacturing

13.3 Site Specific Emission Factors

To create a record for a site specific emissions factor, click '*Add New*'. To edit the record for a site specific emissions factor prior to submitting a report, click '*Edit*'. To delete the record for a site specific emissions factor prior to submitting a report, click '*Delete*'.

For site specific emissions factors, enter in text the emissions factor name (max of 50 characters). Enter the numeric value. For site specific unit, enter an alphanumeric value.

If you have more source specific emissions factor, select '*Add New*' button. All fields are mandatory (can't add a new factor until you complete the previous factor). You can edit and delete between the records you create for the different factors.

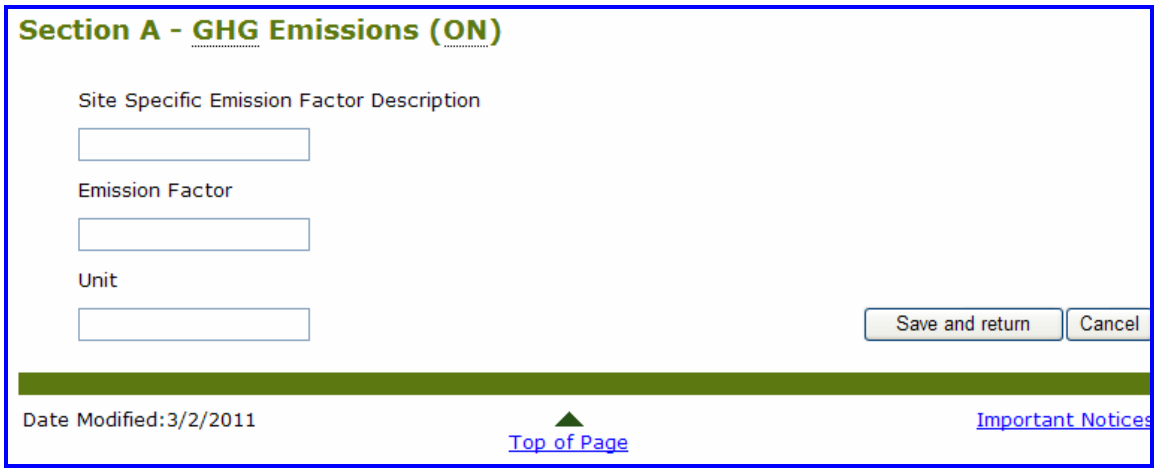


Figure 13.3-1: Site Specific Emission Factor

Select '*Save and Return*' button to go to the next screen to complete other source types. If all source types are complete, clicking continue will bring you to the next screen. The next screen will take you to quantify any CO2 captured at the facility including used, transferred or stored. Provide an amount or N/A. If CO2 is captured at the facility, provide an explanation on how the estimated total was determined and how the carbon dioxide may have been used, transferred or stored.

Click on '*Save*' and '*Continue*' to move on to Section B – Total GHG Emissions at Facility Level.

13.4 Best Alternative Quantification Method

Check the Best Alternative Quantification Method (BAQM) used for estimating GHG emissions for Lime Manufacturing. At least one BAQM must be selected. If you have a BAQM that is Director-approved, select '*Browse*' and attach the approval document.

Enter the total source-level emission of each greenhouse gas (GHG). Values of "0" may be entered, or if not applicable, check N/A.

Refer to *Sources and Methodologies* in Section 3 for BAQM reporting page screenshot.

13.5 DeMinimis Method

Enter the DeMinimis emissions for each GHG, HFC and PFC. Values of "0" may be entered.

Refer to *Sources and Methodologies* in Section 3 for DeMinimis reporting page screenshot.

Petrochemical Production

14 Source Type

For each source, you are required to identify the quantification method: De Minimis, Best Alternative Quantification Method(s) (BAQM), Standard Quantification Method (SQM) as indicated in *Section 3*. For further information, refer to Help File – *Petrochemical Production*.

14.1 Standard Quantification Method – Flares and Oxidizers

Select **CO2 Methodology** for flares and oxidizers: ON.303(a)_flares. For CO2, enter in emission numeric value (13 digit total, max. 4 decimals) in tonnes. Select **CH4 Methodology** for flares and oxidizers: Other. For CH4, enter the emission numeric value (13 digit total, max 4 decimals) in tonnes. Select **N2O Methodology** for flares and oxidizers: Other. For N2O, enter the emission numeric value (13 digit total, max 4 decimals) in tonnes.

14.2 Standard Quantification Method – Process Vents

For **process vents CO2, CH4 and N2O**, choose the methodology ON.303(b)_process vent. For CO2, CH4 and N2O enter in emission numeric value (13 digit total, max. 4 decimals).

14.3 Standard Quantification Method – Equipment Leaks

For **equipment leaks CH4**, choose methodology ON.303(c)_equipment leaks. Enter emission numeric value.

14.4 Standard Quantification Method – Feedstock Type

Click on '*Add New*' to enter a descriptor using text and/or number(s) in the Feedstock Type. Enter in numeric value greater than zero in Annual Amount Consumed. Choose the following units in the drop down box: Sm^3, Kilolitres, Tonnes, Bone Dry Tonnes. Select Add New if other Feedstock Type.

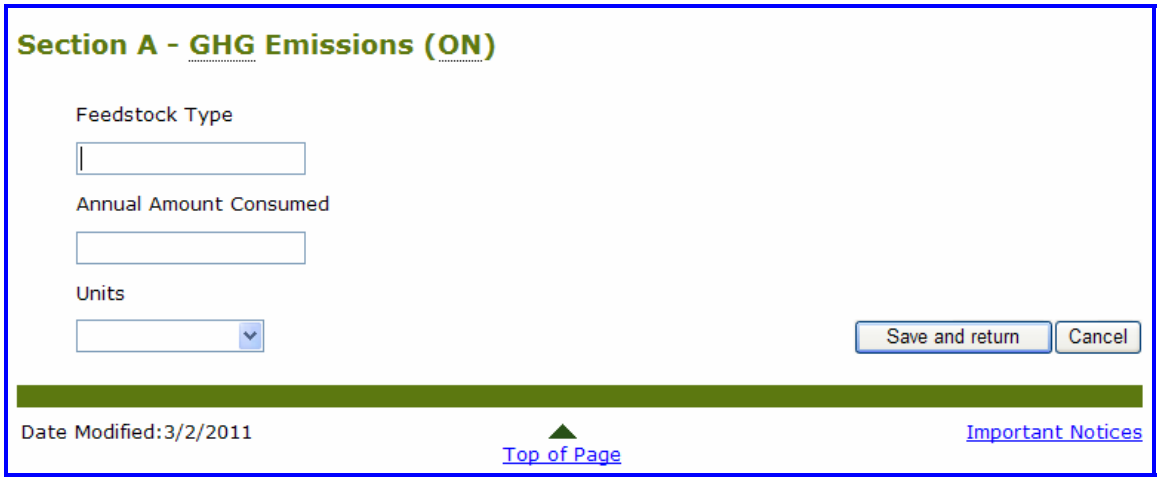


Figure 14.4-1: Feedstock Type

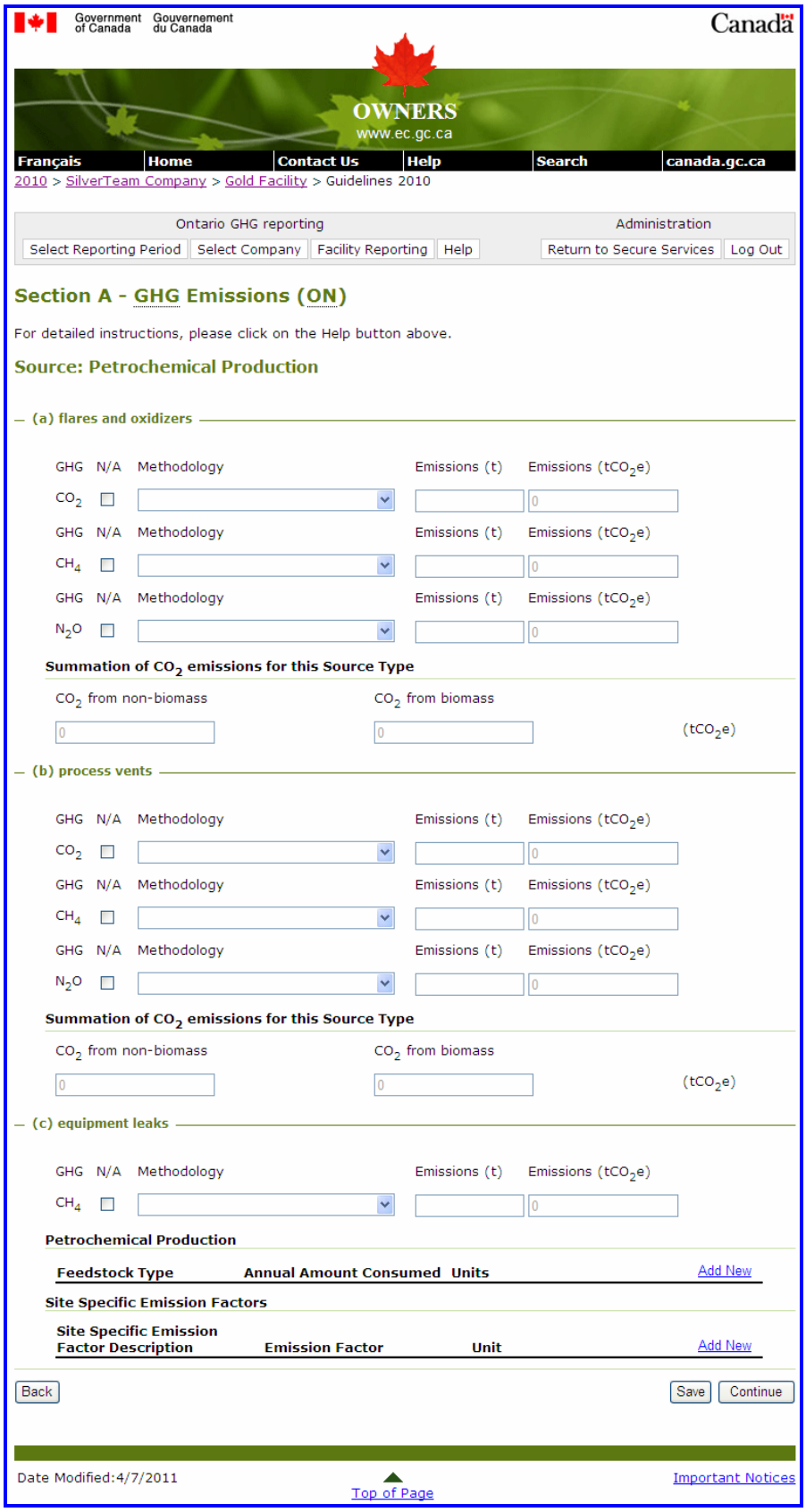


Figure 14.4-2: SQM Reporting Page for Petrochemical Production

14.5 Site Specific Emission Factors

To create a record for a site specific emissions factor, click '*Add New*'. To edit the record for a site specific emissions factor prior to submitting a report, click '*Edit*'. To delete the record for a site specific emissions factor prior to submitting a report, click '*Delete*'.

For site specific emissions factors, enter in text the emissions factor name (max of 50 characters). Enter the numeric value. For site specific unit, enter an alphanumeric value.

If you have more source specific emissions factor, select '*Add New*' button. All fields are mandatory (can't add a new factor until you complete the previous factor). You can edit and delete between the records you create for the different factors.

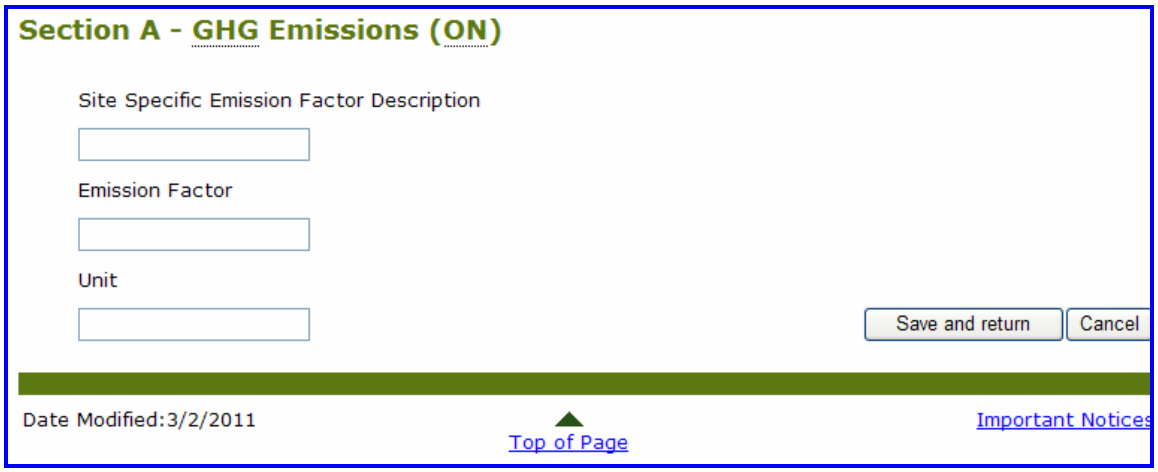


Figure 14.5-1: Site Specific Emission Factor

Select '*Save and Return*' button to go to the next screen to complete other source types. If all source types are complete, clicking continue will bring you to the next screen. The next screen will take you to quantify any CO2 captured at the facility including used, transferred or stored. Provide an amount or N/A. If CO2 is captured at the facility, provide an explanation on how the estimated total was determined and how the carbon dioxide may have been used, transferred or stored.

Click on '*Save*' and '*Continue*' to move on to Section B – Total GHG Emissions at Facility Level.

14.6 Best Alternative Quantification Method

Check the Best Alternative Quantification Method (BAQM) used for estimating GHG emissions for Petrochemical Production. At least one BAQM must be selected. If you have a BAQM that is Director-approved, select '*Browse*' and attach the approval document.

Enter the total source-level emission of each greenhouse gas (GHG). Values of "0" may be entered, or if not applicable, check N/A.

Refer to *Sources and Methodologies* in Section 3 for BAQM reporting page screenshot.

14.7 DeMinimis Method

Enter the DeMinimis emissions for each GHG, HFC and PFC. Values of "0" may be entered.

Refer to *Sources and Methodologies* in Section 3 for DeMinimis reporting page screenshot.

Petroleum Refining

15 Source Type

For each source, you are required to identify the quantification method: De Minimis, Best Alternative Quantification Method(s) (BAQM), Standard Quantification Method (SQM) as indicated in *Section 3*. For further information, refer to Help File – *Petroleum Refining*.

15.1 Standard Quantification Method – Catalyst Regeneration

Choose the **CO2 Methodology**: ON.203(a)_regen. Enter in emission value in tonnes for catalyst regeneration.

15.1.1 Process Vents

For **process vents**, choose the Methodology: ON.203(b)_vents. Enter CO2, CH4 and N2O emissions in tonnes.

15.1.2 Asphalt Production

For **asphalt production**, choose the Methodology: ON.203(c)_asphalt. Enter CO2 and CH4 emissions in tonnes.

15.1.3 Sulphur Recovery

For **sulphur recovery**, choose the Methodology ON.203(d)_rec. Enter CO2 emissions in tonnes.

15.1.4 Flares and Other Control Devices

For **flares and other control devices**, choose the Methodology ON.203(e)_flare. Enter CO2, CH4 and N2O emissions in tonnes.

15.1.5 Above Ground Storage Tanks

For **above ground storage tanks**, choose the Methodology ON.203(f)_storage. Enter CH4 emission value in tonnes.

15.1.6 Wastewater Treatment

For **wastewater treatment**, choose the Methodology ON.203(g)_waste_water. Enter CH4 and N2O emission value in tonnes

15.1.7 Oil-water Separators

For **oil-water separators**, choose the Methodology ON.203(h)_O/W_separators. Enter CH4 emission value in tonnes.

15.1.8 Equipment Leaks

For **equipment leaks**, choose the Methodology ON.203(i)_leak. Enter CH4 emission value in tonnes.

15.2 Standard Quantification Method – Feedstock

Click '*Add New*' for '*Feedstock Type*'. Enter a descriptor using text and/or number(s) in the Feedstock Type field. Enter the numeric value in annual amount consumed. Choose the unit in the drop down box: Sm^3, Kilolitres, Tonnes, Bone Dry Tonnes. Click on '*Save and Return*'. If other feedstock type, click '*Add New*'. This will allow you to edit/delete the feedstock type.

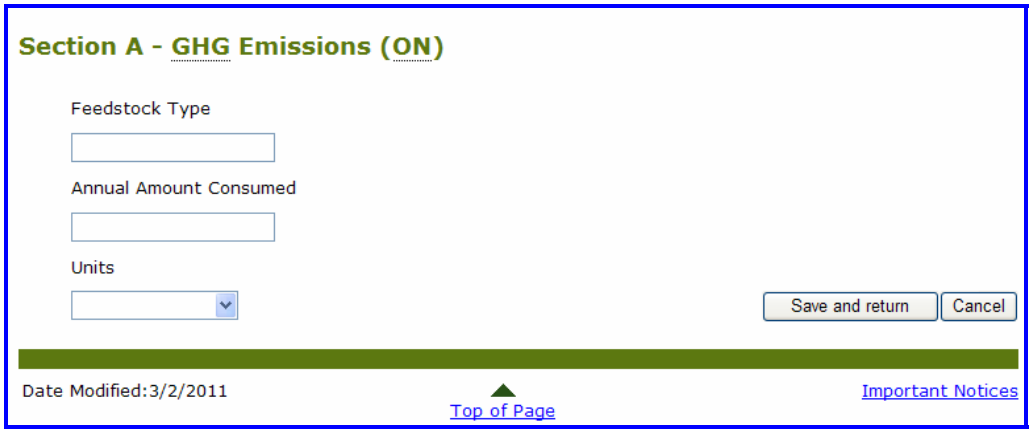


Figure 15.2-1: Feedstock Type

15.3 Standard Quantification Method – Fuel Type

Click '*Add New*' for Fuel Type. Choose the fuel type on the drop down box: N/A, Natural Gas, Diesel, Distillate Fuel Oil (#1, 2 & 4), Light Fuel Oil, Residual Fuel Oil (#5 & 6), Coal-Anthracite, Coal-Bituminous, Landfill Gas, Spent Pulping Liquor (Env. Canada), Spent Pulping Liquor (US EPA), Wood Waste (Env Canada), Wood Waste (US EPA), Municipal Solid Waste (MSW), Coal Coke, Tires, Other.

If choose '*Other*', Other Fuel Description (Text) and Fuel Classification fields are displayed. This will display the fuel description field. Choose biomass or non-biomass for the fuel display classification drop down box.

Enter number of annual amount consumed for equipment leaks. Choose the unit in the drop down box: Sm^3, Kilolitres, Tonnes, Bone Dry Tonnes.

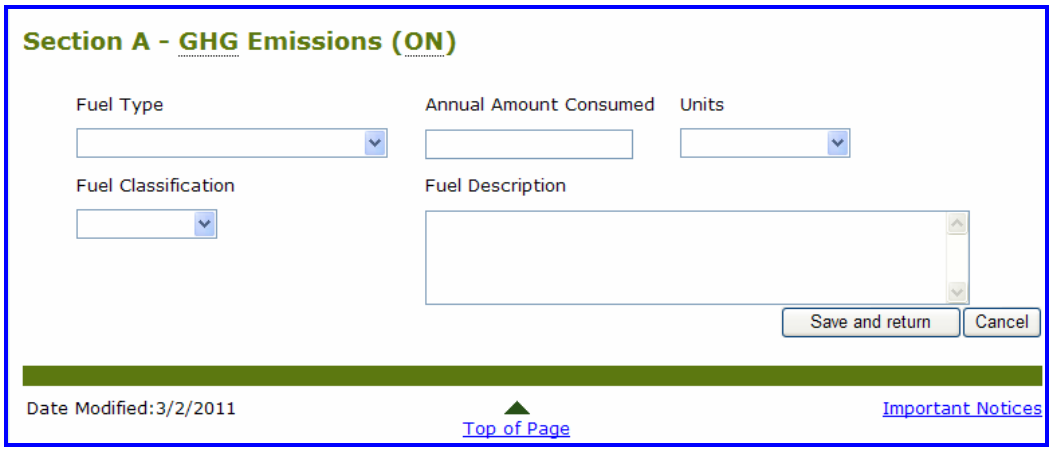
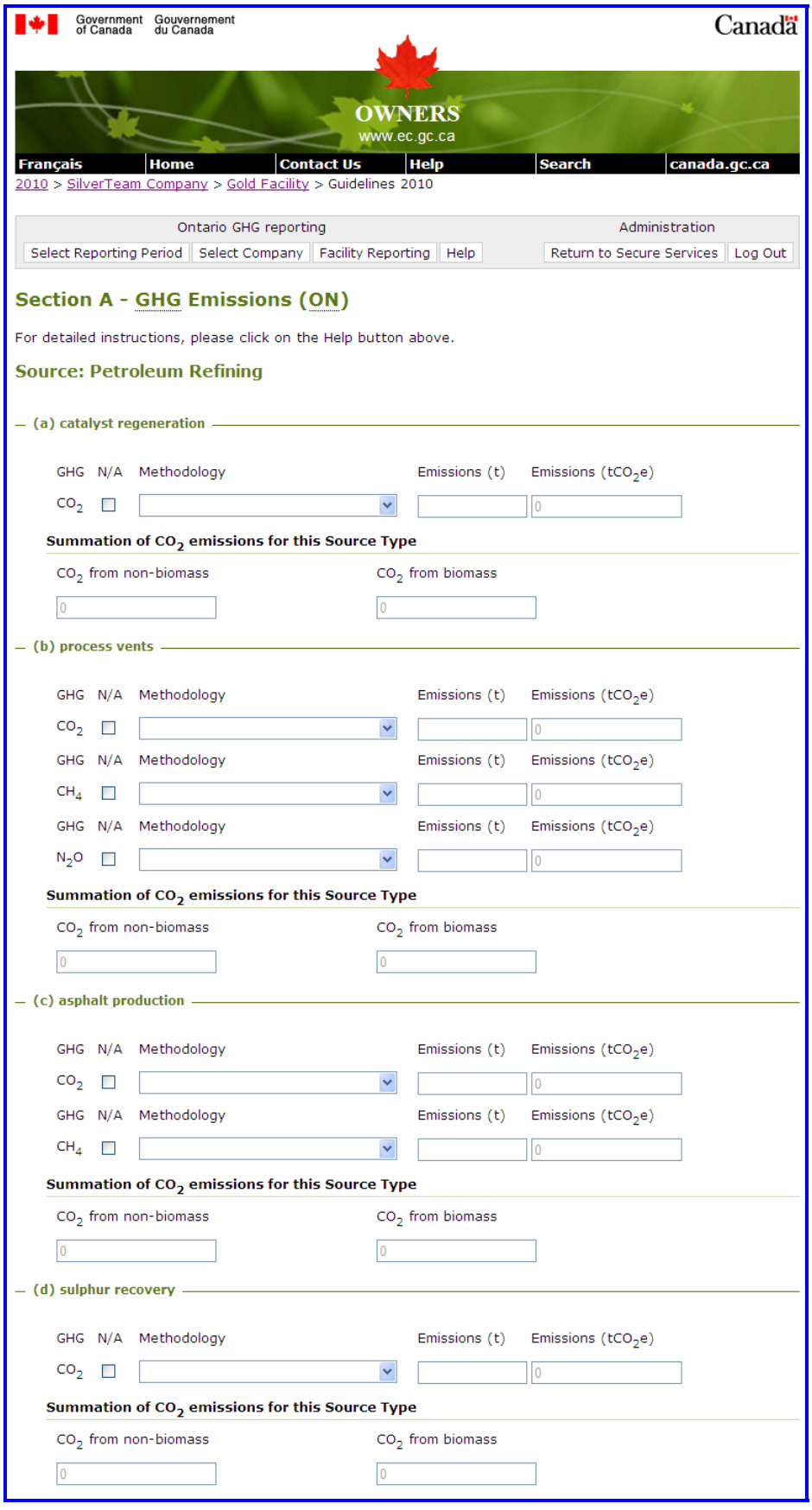


Figure 15.3-1: Fuel Type


Government of Canada
Gouvernement du Canada
Canada
OWNERS
www.ec.gc.ca
Français
Home
Contact Us
Help
Search
canada.gc.ca
2010 > SilverTeam Company > Gold Facility > Guidelines 2010
Ontario GHG reporting
Select Reporting Period
Select Company
Facility Reporting
Help
Administration
Return to Secure Services
Log Out
Section A - GHG Emissions (ON)
For detailed instructions, please click on the Help button above.
Source: Petroleum Refining
(a) catalyst regeneration
GHG N/A Methodology Emissions (t) Emissions (tCO2e)
CO2
Summation of CO2 emissions for this Source Type
CO2 from non-biomass
CO2 from biomass
(b) process vents
GHG N/A Methodology Emissions (t) Emissions (tCO2e)
CO2
GHG N/A Methodology Emissions (t) Emissions (tCO2e)
CH4
GHG N/A Methodology Emissions (t) Emissions (tCO2e)
N2O
Summation of CO2 emissions for this Source Type
CO2 from non-biomass
CO2 from biomass
(c) asphalt production
GHG N/A Methodology Emissions (t) Emissions (tCO2e)
CO2
GHG N/A Methodology Emissions (t) Emissions (tCO2e)
CH4
Summation of CO2 emissions for this Source Type
CO2 from non-biomass
CO2 from biomass
(d) sulphur recovery
GHG N/A Methodology Emissions (t) Emissions (tCO2e)
CO2
Summation of CO2 emissions for this Source Type
CO2 from non-biomass
CO2 from biomass

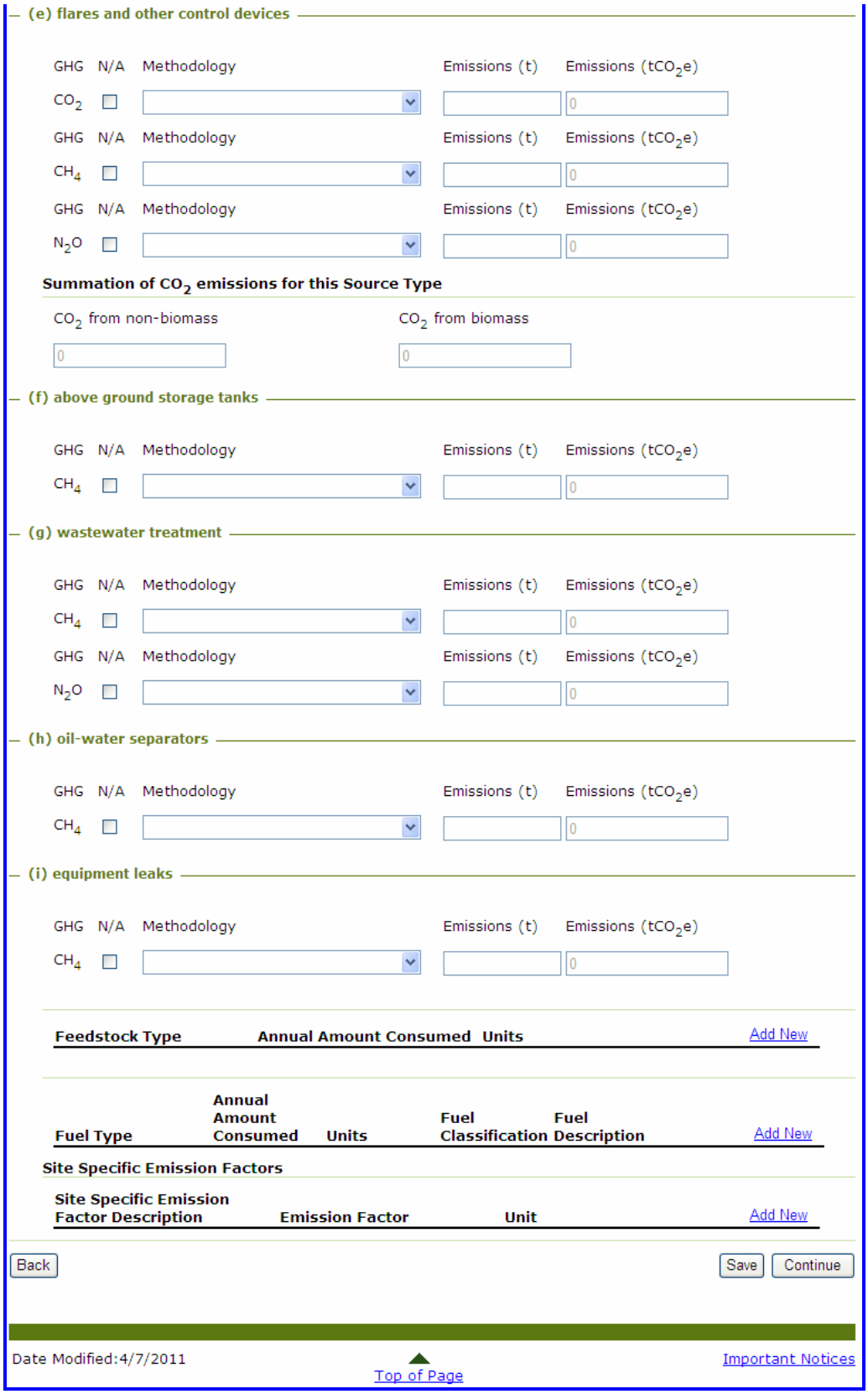

(e) flares and other control devices
GHG N/A Methodology Emissions (t) Emissions (tCO_2e)
CO_2
GHG N/A Methodology Emissions (t) Emissions (tCO_2e)
CH_4
GHG N/A Methodology Emissions (t) Emissions (tCO_2e)
N_2O
Summation of CO_2 emissions for this Source Type
CO_2 from non-biomass
CO_2 from biomass
(f) above ground storage tanks
GHG N/A Methodology Emissions (t) Emissions (tCO_2e)
CH_4
(g) wastewater treatment
GHG N/A Methodology Emissions (t) Emissions (tCO_2e)
CH_4
GHG N/A Methodology Emissions (t) Emissions (tCO_2e)
N_2O
(h) oil-water separators
GHG N/A Methodology Emissions (t) Emissions (tCO_2e)
CH_4
(i) equipment leaks
GHG N/A Methodology Emissions (t) Emissions (tCO_2e)
CH_4
Feedstock Type Annual Amount Consumed Units Add New
Fuel Type Annual Amount Consumed Units Fuel Classification Fuel Description Add New
Site Specific Emission Factors
Site Specific Emission Factor Description Emission Factor Unit Add New
Back
Save
Continue
Date Modified:4/7/2011
Top of Page
Important Notices

Figure 15.3-2: SQM Reporting Page for Petroleum Refining

15.4 Site Specific Emission Factors

To create a record for a site specific emissions factor, click '*Add New*'. To edit the record for a site specific emissions factor prior to submitting a report, click '*Edit*'. To delete the record for a site specific emissions factor prior to submitting a report, click '*Delete*'.

For site specific emissions factors, enter in text the emissions factor name (max of 50 characters). Enter the numeric value. For site specific unit, enter an alphanumeric value.

If you have more source specific emissions factor, select '*Add New*' button. All fields are mandatory (can't add a new factor until you complete the previous factor). You can edit and delete between the records you create for the different factors.

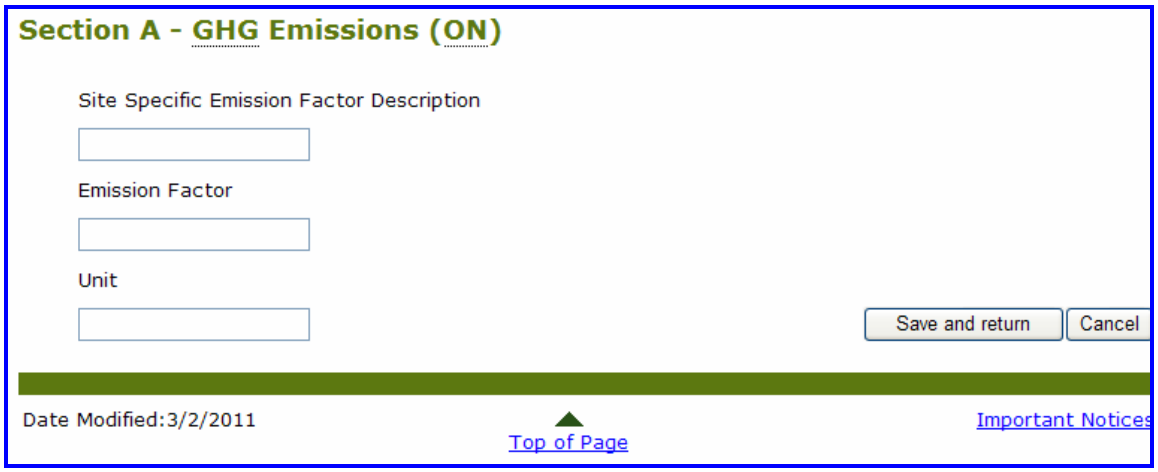


Figure 15.4-1: Site Specific Emission Factor

Select '*Save and Return*' button to go to the next screen to complete other source types. If all source types are complete, clicking continue will bring you to the next screen. The next screen will take you to quantify any CO2 captured at the facility including used, transferred or stored. Provide an amount or N/A. If CO2 is captured at the facility, provide an explanation on how the estimated total was determined and how the carbon dioxide may have been used, transferred or stored.

Click on '*Save*' and '*Continue*' to move on to Section B – Total GHG Emissions at Facility Level.

Best Alternative Quantification Method

Check the Best Alternative Quantification Method (BAQM) used for estimating GHG emissions for Petroleum Refining. At least one BAQM must be selected. If you have a BAQM that is Director-approved, select '*Browse*' and attach the approval document.

Enter the total source-level emission of each greenhouse gas (GHG). Values of "0" may be entered, or if not applicable, check N/A.

Refer to *Sources and Methodologies* in Section 3 for BAQM reporting page screenshot.

15.5 DeMinimis Method

Enter the DeMinimis emissions for each GHG, HFC and PFC. Values of "0" may be entered.

Refer *Sources and Methodologies* in Section 3 for DeMinimis reporting page screenshot.

Pulp and Paper

16 Source Type

For each source, you are required to identify the quantification method: De Minimis, Best Alternative Quantification Method(s) (BAQM), Standard Quantification Method (SQM) as indicated in *Section 3*. For further information, refer to Help File – *Pulp and Paper*.

16.1 Standard Quantification Method – Black Liquor Combustion from Recovery Furnaces

Select **CO2 Methodology** for annual biogenic CO2 from all recovery furnaces: ON.213(a)_biog. For CO2, enter in emission numeric value (13 digit total, max. 4 decimals) in tonnes.

For **black liquor produced**, enter the value for annual amount in tonnes.

16.1.1 Make-up Carbonates

For **annual CO2 from make-up carbonate**, choose the following option for the CO2 methodology: ON.213(b)_fossil. Enter the annual CO2 from make-up carbonate (13 digit total, max. 4 decimals) in tonnes.

Click '*Add New*' to a carbonate type consumed. Enter a descriptor using text and/or number(s) in the Carbonate Type Consumed field. Enter in numeric value in annual amount in tonnes.

To add a new carbonate type consumed, click on '*Add New*' under Carbonate Type Consumed. Enter a descriptor using text and/or number(s)for carbonate type consumed.

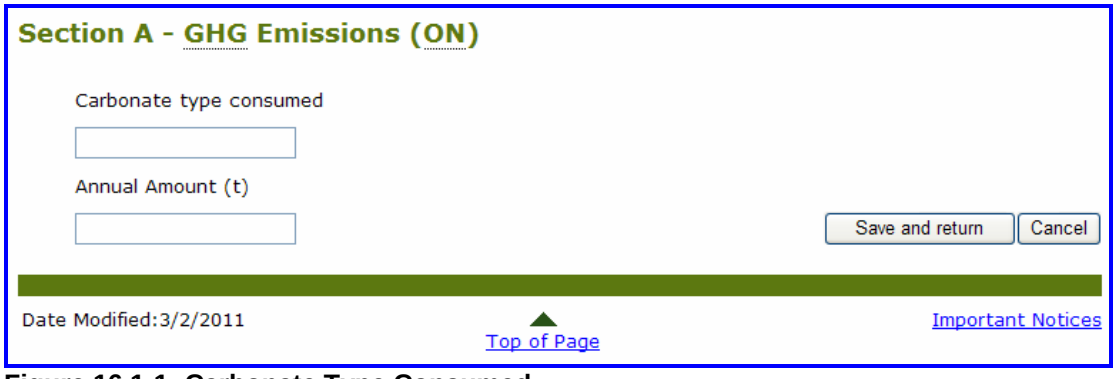


Figure 16.1-1: Carbonate Type Consumed

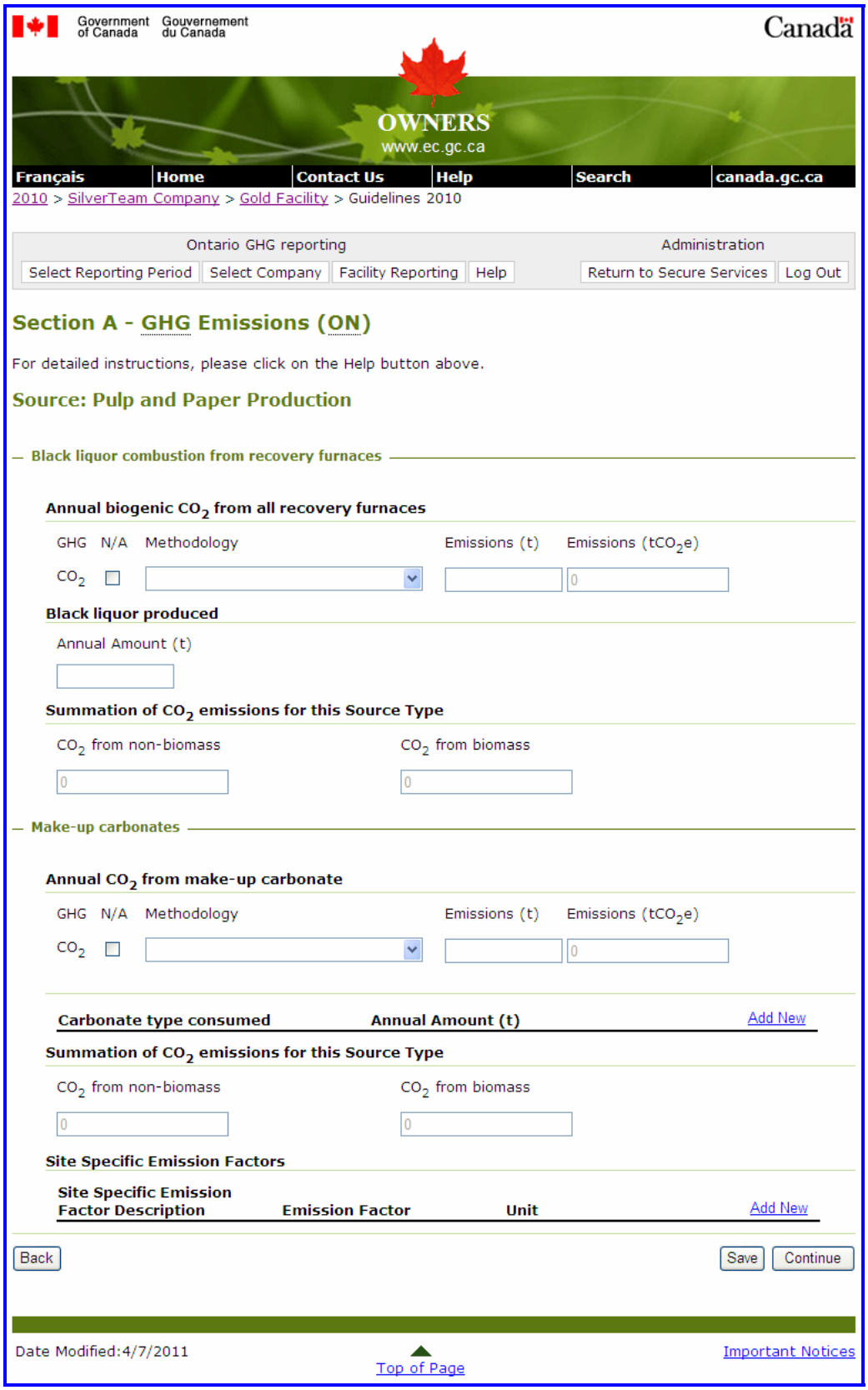


Figure 16.1-2: SQM Reporting Page for Pulp and Paper

16.2 Site Specific Emission Factors

To create a record for a site specific emissions factor, click '*Add New*'. To edit the record for a site specific emissions factor prior to submitting a report, click '*Edit*'. To delete the record for a site specific emissions factor prior to submitting a report, click '*Delete*'.

For site specific emissions factors, enter in text the emissions factor name (max of 50 characters). Enter the numeric value. For site specific unit, enter an alphanumeric value.

If you have more source specific emissions factor, select '*Add New*' button. All fields are mandatory (can't add a new factor until you complete the previous factor). You can edit and delete between the records you create for the different factors.

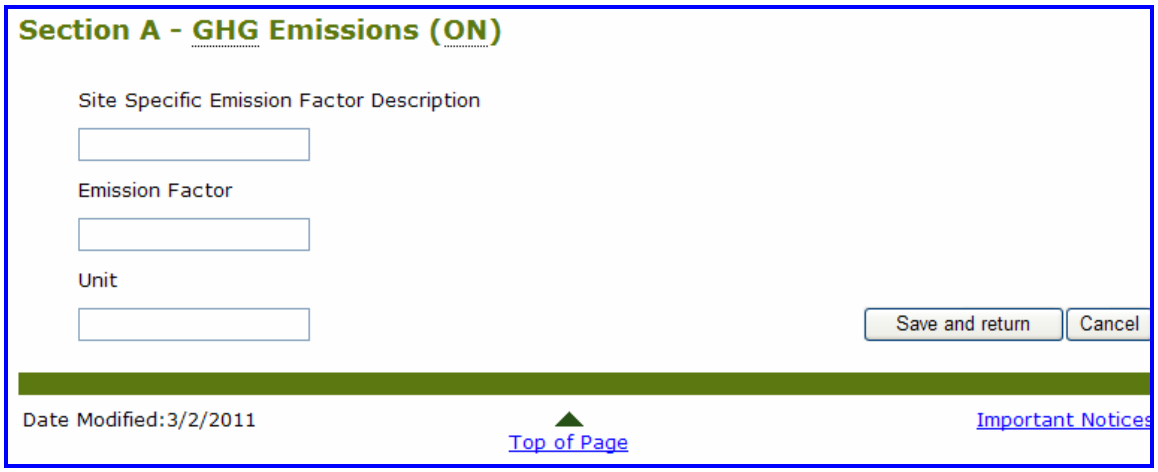


Figure 16.2-1: Site Specific Emission Factor

Select '*Save and Return*' button to go to the next screen to complete other source types. If all source types are complete, clicking continue will bring you to the next screen. The next screen will take you to quantify any CO2 captured at the facility including used, transferred or stored. Provide an amount or N/A. If CO2 is captured at the facility, provide an explanation on how the estimated total was determined and how the carbon dioxide may have been used, transferred or stored.

Click on '*Save*' and '*Continue*' to move on to Section B – Total GHG Emissions at Facility Level.

16.3 Best Alternative Quantification Method

Check the Best Alternative Quantification Method (BAQM) used for estimating GHG emissions for Pulp and Paper. At least one BAQM must be selected. If you have a BAQM that is Director-approved, select '*Browse*' and attach the approval document.

Enter the total source-level emission of each greenhouse gas (GHG). Values of "0" may be entered, or if not applicable, check N/A.

Refer to *Sources and Methodologies* in Section 3 for BAQM reporting page screenshot.

16.4 DeMinimis Method

Enter the DeMinimis emissions for each GHG, HFC and PFC. Values of "0" may be entered.

Refer to *Sources and Methodologies* in Section 3 for DeMinimis reporting page screenshot.

Refinery Fuel Gas Combustion

17 Source Type

For each source, you are required to identify the quantification method: De Minimis, Best Alternative Quantification Method(s) (BAQM), Standard Quantification Method (SQM) as indicated in *Section 3*. For further information, refer to Help File – *Refinery Fuel Gas Combustion*.

17.1 Standard Quantification Method – Combustion of Refinery Fuel Gas, Still Gas, Flexigas or Associated Gas

Click on '*Add New*' to enter a descriptor using text and/or number(s) in the Fuel Consumed field. Enter in numeric value for annual amount consumed (Sm^3)

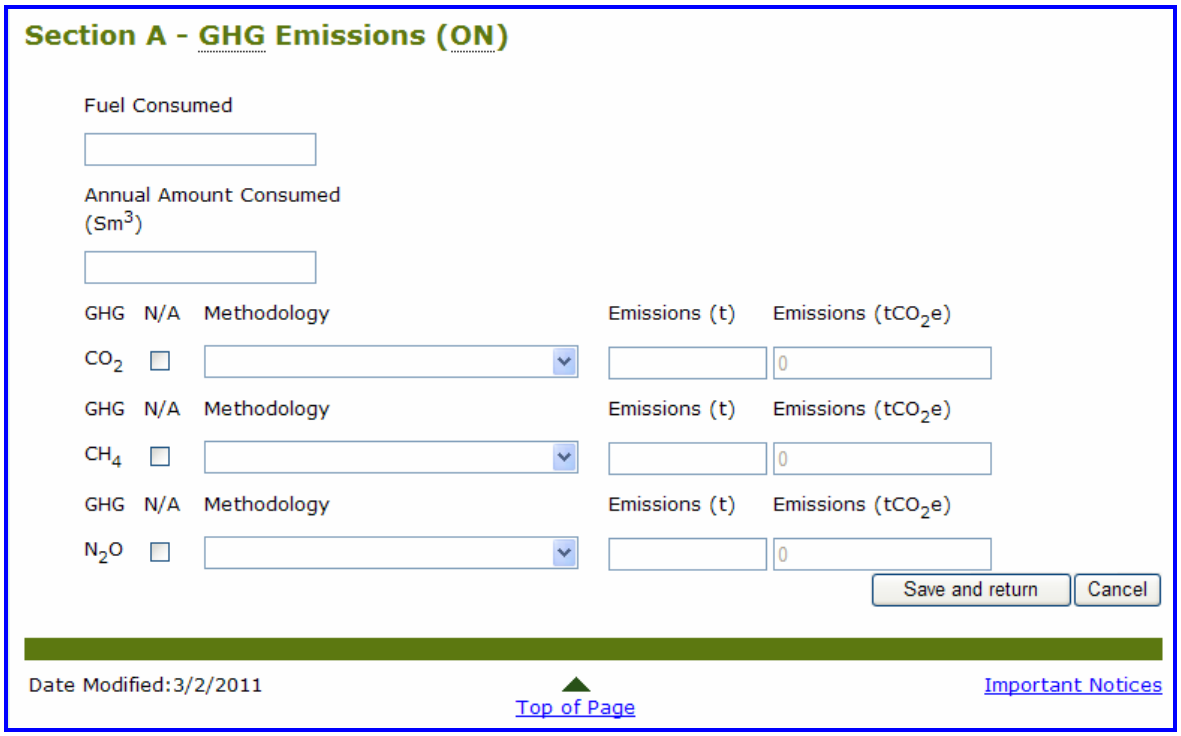


Figure 17.1-1: Fuel Consumed

Select **Methodology_CO2** from drop down list: ON.33 (a)(1)_CC, ON.133 (a)(2)_CEMS. Check that methodology for CH4 and N2O is ON.33(b).

Enter values for emissions in tonnes CO2. For CH4, enter values for emissions. For N2O, enter values for emissions.

If use another fuel, select '*Add New*'. New record is displayed for fields: Fuel consumed, annual amount consumed CO2, CH4 and N2O.

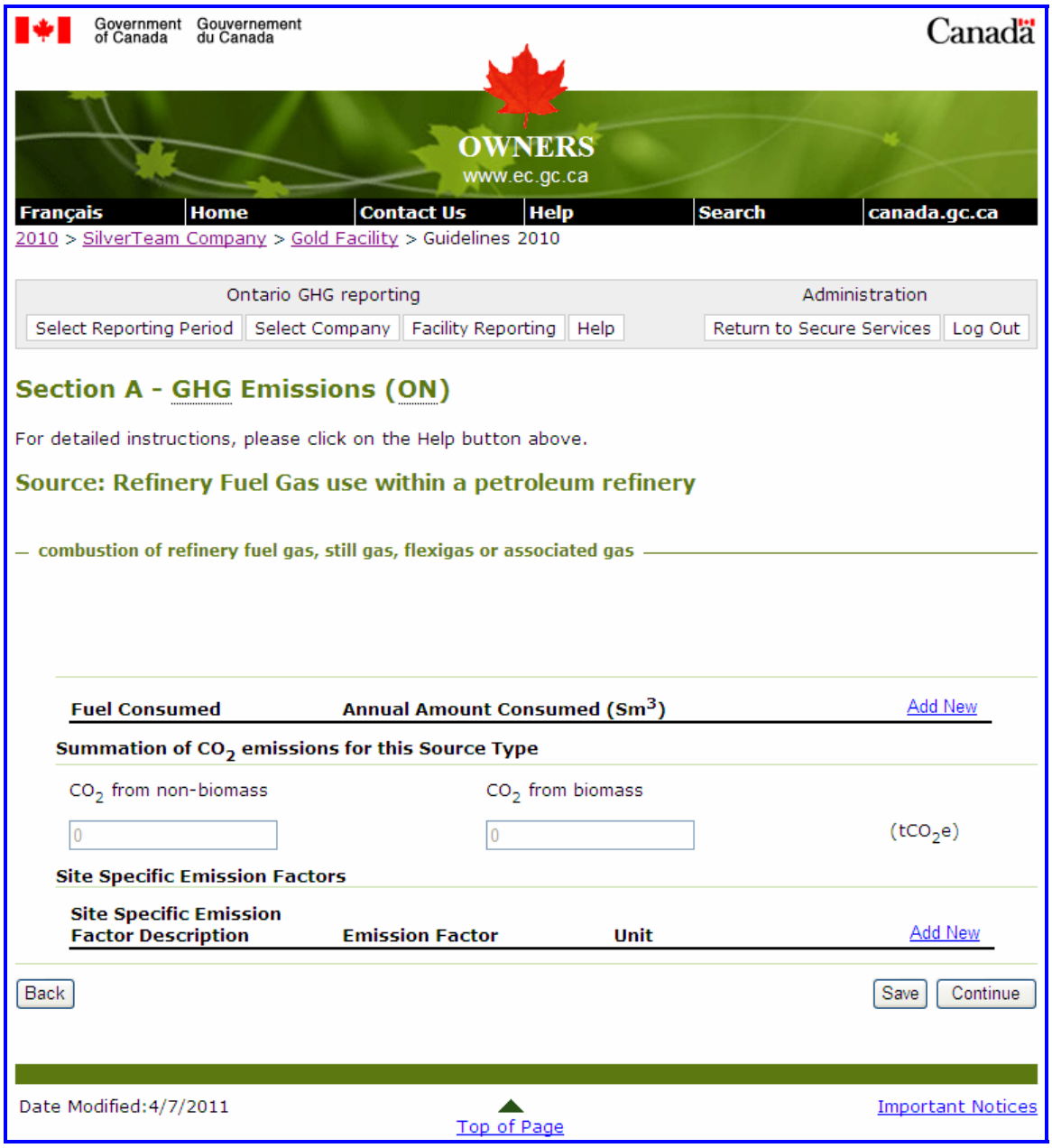


Figure 17.1-2: SQM Reporting Page for Refinery Fuel Gas Combustion

17.2 Site Specific Emission Factors

To create a record for a site specific emissions factor, click '*Add New*'. To edit the record for a site specific emissions factor prior to submitting a report, click '*Edit*'. To delete the record for a site specific emissions factor prior to submitting a report, click '*Delete*'.

For site specific emissions factors, enter in text the emissions factor name (max of 50 characters). Enter the numeric value. For site specific unit, enter an alphanumeric value.

If you have more source specific emissions factor, select '*Add New*' button. All fields are mandatory (can't add a new factor until you complete the previous factor). You can edit and delete between the records you create for the different factors.

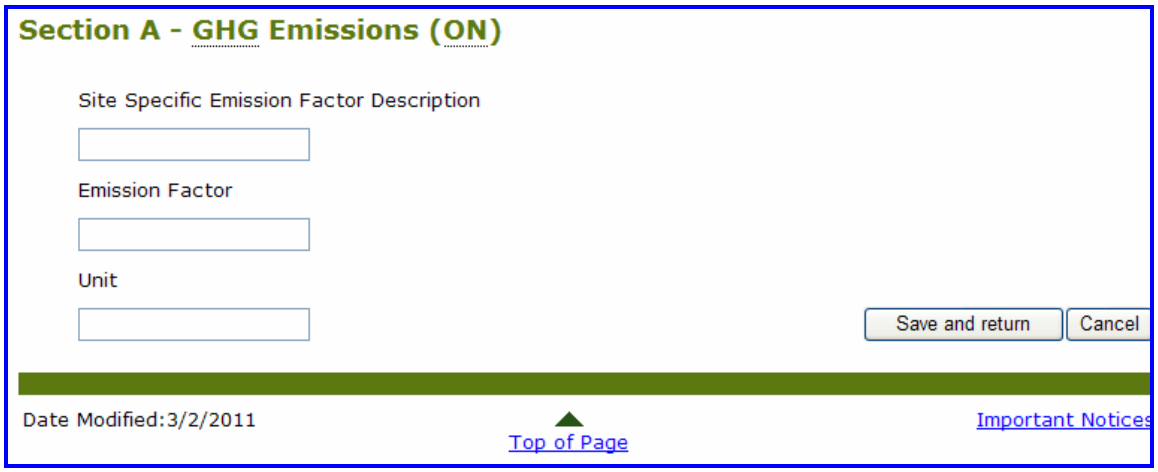


Figure 17.2-1: Site Specific Emission Factor

Select '*Save and Return*' button to go to the next screen to complete other source types. If all source types are complete, clicking continue will bring you to the next screen. The next screen will take you to quantify any CO2 captured at the facility including used, transferred or stored. Provide an amount or N/A. If CO2 is captured at the facility, provide an explanation on how the estimated total was determined and how the carbon dioxide may have been used, transferred or stored.

Click on '*Save*' and '*Continue*' to move on to Section B – Total GHG Emissions at Facility Level.

17.3 Best Alternative Quantification Method

Check the Best Alternative Quantification Method (BAQM) used for estimating GHG emissions for Refinery Fuel Gas Combustion. At least one BAQM must be selected. If you have a BAQM that is Director-approved, select '*Browse*' and attach the approval document.

Enter the total source-level emission of each greenhouse gas (GHG). Values of "0" may be entered, or if not applicable, check N/A.

Refer to *Sources and Methodologies* in Section 3 for BAQM reporting page screenshot.

17.4 DeMinimis Method

Enter the DeMinimis emissions for each GHG, HFC and PFC. Values of "0" may be entered.

Refer to *Sources and Methodologies* in Section 3 for DeMinimis reporting page screenshot.

Zinc

18 Source Type

For each source, you are required to identify the quantification method: De Minimis, Best Alternative Quantification Method(s) (BAQM), Standard Quantification Method (SQM) as indicated in *Section 3*. For further information, refer to Help File – *Zinc Production*.

18.1 Standard Quantification Method – The Use of Reducing Agents

Select **Methodology_CO2** from drop down list: ON.163 (a)_CEMS, ON.163 (b)_CC.

Enter values for emissions in tonnes CO2.

Click Add New to reducing agents. Enter a descriptor using text and/or number(s) in the Reducing Agent field. Enter the numeric value in annual amount used in tonnes (up to 13 digits). Enter in numeric fraction in carbon content (weight fraction) (between 0 and 1). Click on '*Save and Return*'.

If more fraction in carbon content, select '*Add New*'.

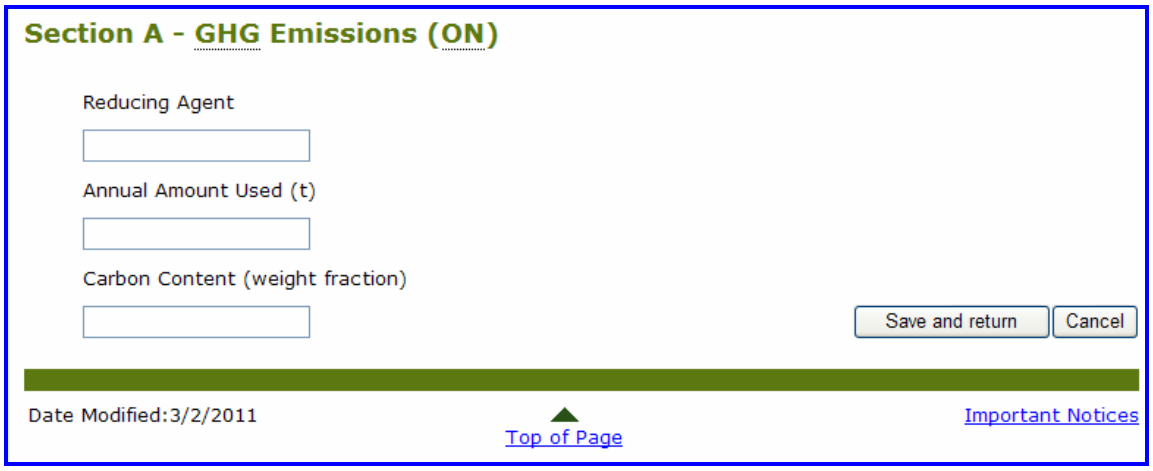


Figure 18.1-1: Reducing Agent

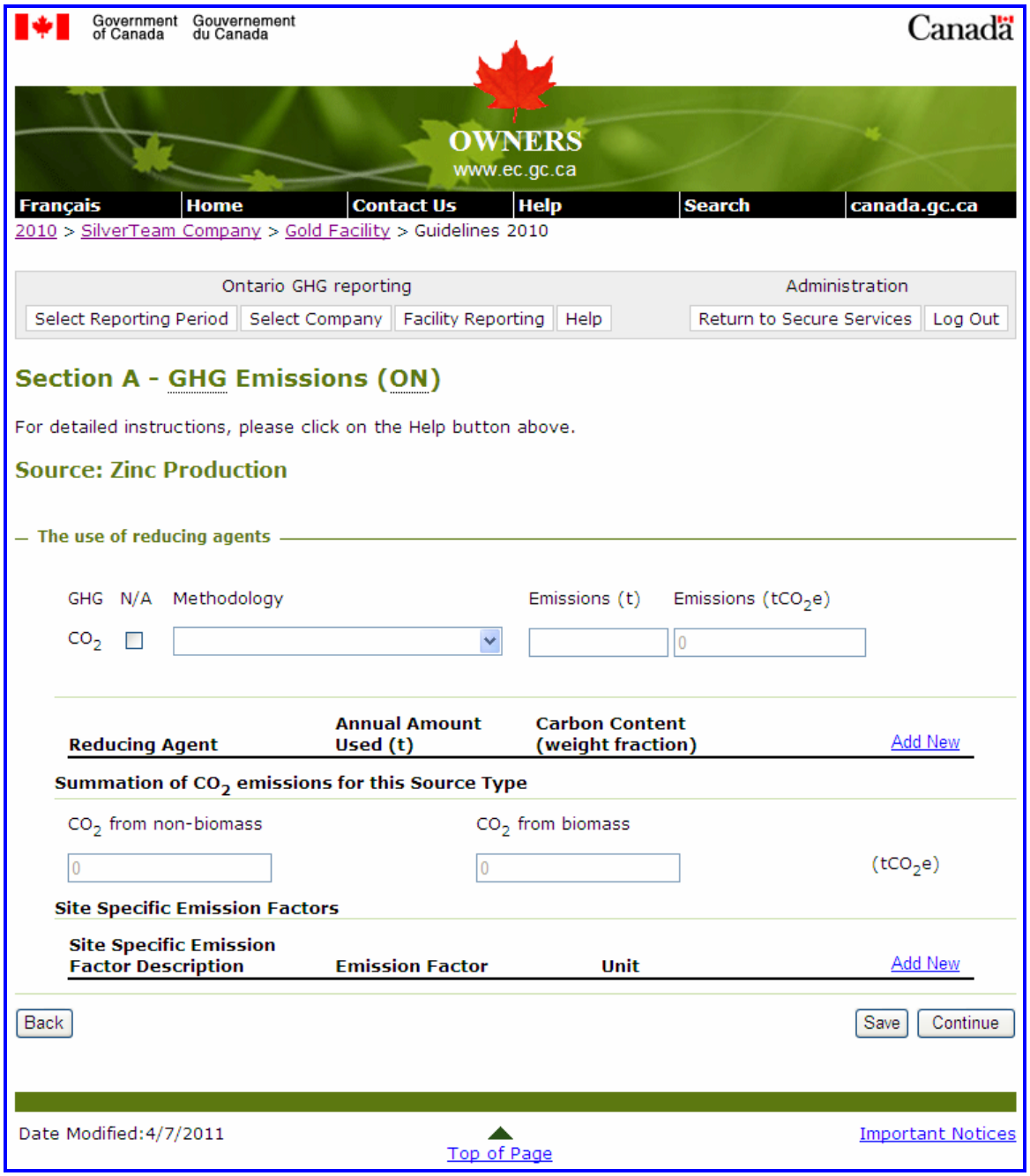


Figure 18.1-2: SQM Reporting Page for Zinc Production

18.2 Site Specific Emission Factors

To create a record for a site specific emissions factor, click '*Add New*'. To edit the record for a site specific emissions factor prior to submitting a report, click '*Edit*'. To delete the record for a site specific emissions factor prior to submitting a report, click '*Delete*'.

For site specific emissions factors, enter in text the emissions factor name (max of 50 characters). Enter the numeric value. For site specific unit, enter an alphanumeric value.

If you have more source specific emissions factor, select '*Add New*' button. All fields are mandatory (can't add a new factor until you complete the previous factor). You can edit and delete between the records you create for the different factors.

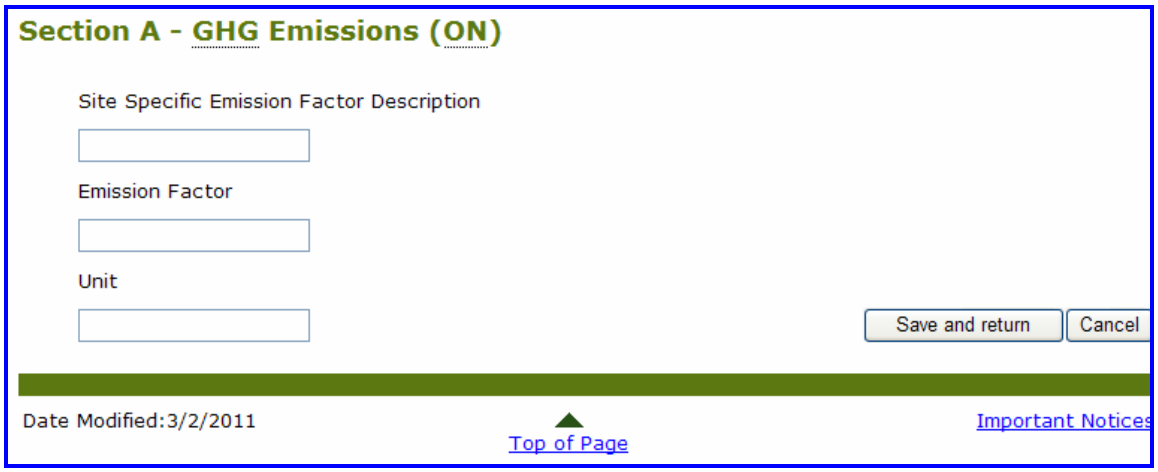


Figure 18.2-1: Site Specific Emission Factor

Select '*Save and Return*' button to go to the next screen to complete other source types. If all source types are complete, clicking continue will bring you to the next screen. The next screen will take you to quantify any CO2 captured at the facility including used, transferred or stored. Provide an amount or N/A. If CO2 is captured at the facility, provide an explanation on how the estimated total was determined and how the carbon dioxide may have been used, transferred or stored.

Click on '*Save*' and '*Continue*' to move on to Section B – Total GHG Emissions at Facility Level.

18.3 Best Alternative Quantification Method

Check the Best Alternative Quantification Method (BAQM) used for estimating GHG emissions for Zinc. At least one BAQM must be selected. If you have a BAQM that is Director-approved, select '*Browse*' and attach the approval document.

Enter the total source-level emission of each greenhouse gas (GHG). Values of "0" may be entered, or if not applicable, check N/A.

Refer to *Sources and Methodologies* in Section 3 for BAQM reporting page screenshot.

18.4 DeMinimis Method

Enter the DeMinimis emissions for each GHG, HFC and PFC. Values of "0" may be entered.

Refer to *Sources and Methodologies* in Section 3 for DeMinimis reporting page screenshot.

USEPA Method Sources

The following sources use the USEPA method:

Ammonia Manufacturing
Carbonates Use
Ferroalloy Production
HCFC-22 Production and HFC-23 Destruction
Nitric Acid Manufacturing
Phosphoric Acid Production
Primary Manufacturing of Aluminum
Soda Ash Manufacturing

19 Sources Quantified Using USEPA Methods

All USEPA sources have the same pages for SQM, BAQM and DeMinimis methods. The following screens for ammonia manufacturing show the pages for the different methods as an example.

19.1 Standard Quantification Method

HFC

HFC	N/A	Emissions (t)	Emissions (tCO_2e)
HFC-23 (trifluoromethane)	☐		0
HFC-32 (difluoromethane)	☐		0
HFC-41 (fluoromethane)	☐		0
HFC-43-10mee (1,1,1,2,3,4,4,5,5,5-decafluoropentane)	☐		0
HFC-125 (pentafluoroethane)	☐		0
HFC-134 (1,1,2,2-tetrafluoroethane)	☐		0
HFC-134a (1,1,1,2-tetrafluoroethane)	☐		0
HFC-143 (1,1,2-trifluoroethane)	☐		0
HFC-143a (1,1,1-trifluoroethane)	☐		0
HFC-152a (1,1-difluoroethane)	☐		0
HFC-227ea (1,1,1,2,3,3,3-heptafluoropropane)	☐		0
HFC-236fa (1,1,1,3,3,3-hexafluoropropane)	☐		0
HFC-245ca (1,1,2,2,3-pentafluoropropane)	☐		0
HFC-152 (1,2-difluoroethane)	☐		0
HFC-161 (fluoroethane)	☐		0
HFC-236cb (1,1,1,2,2,3-hexafluoropropane)	☐		0
HFC-236ea (1,1,1,2,3,3-hexafluoropropane)	☐		0
HFC-245fa (1,1,1,3,3-pentafluoropropane)	☐		0
HFC-365mfc (1,1,1,3,3-pentafluorobutane)	☐		0

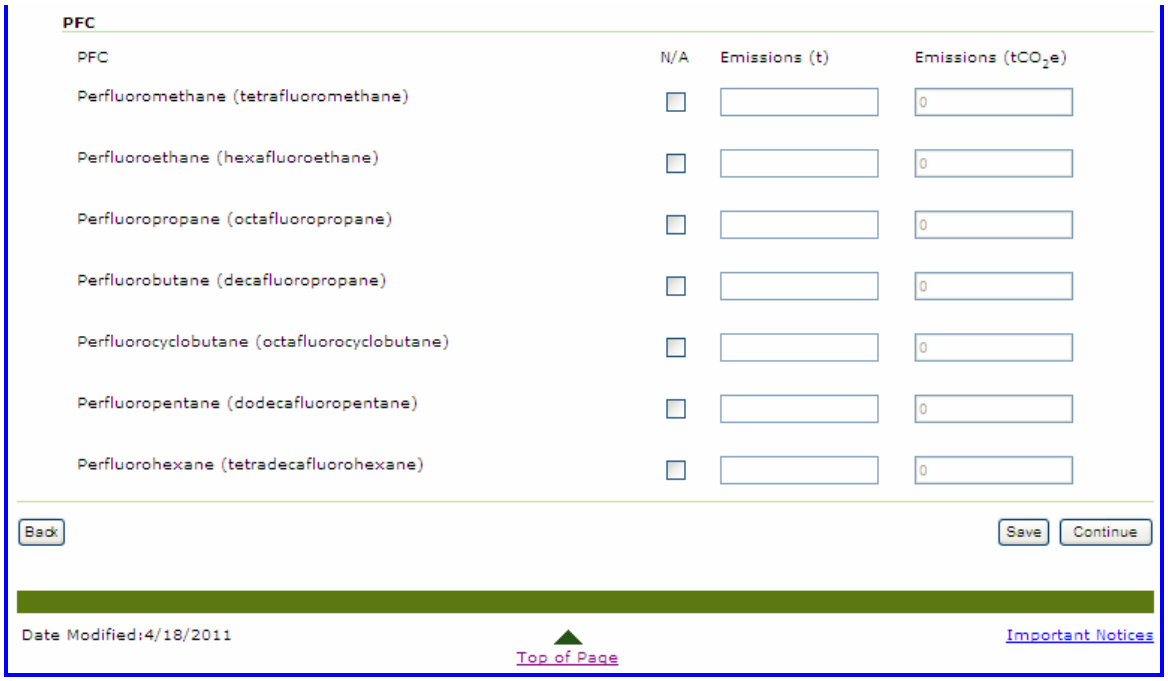
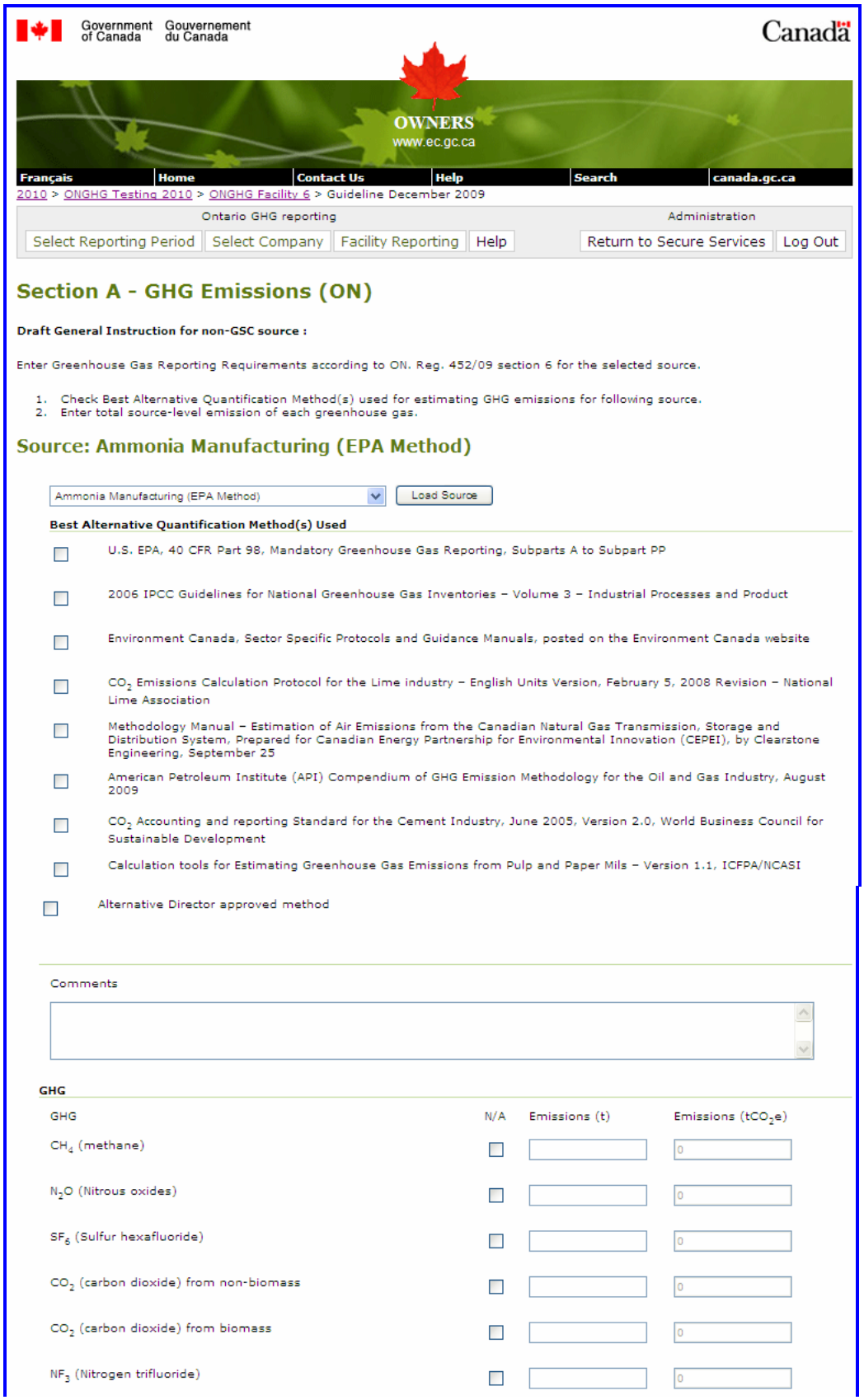


Figure 19.1-1: Example of an SQM Reporting Page for Sources Quantified using USEPA Methods

19.2 Best Alternative Quantification Method

Enter the total source-level emission of each greenhouse gas (GHG). Values of "0" may be entered, or if not applicable, check N/A.


Government of Canada
Gouvernement du Canada
Canada
OWNERS
www.ec.gc.ca
Français
Home
Contact Us
Help
Search
canada.gc.ca
2010 > ONGHG Testing 2010 > ONGHG Facility 6 > Guideline December 2009
Ontario GHG reporting
Administration
Select Reporting Period
Select Company
Facility Reporting
Help
Return to Secure Services
Log Out
Section A - GHG Emissions (ON)
Draft General Instruction for non-GSC source :
Enter Greenhouse Gas Reporting Requirements according to ON. Reg. 452/09 section 6 for the selected source.
1. Check Best Alternative Quantification Method(s) used for estimating GHG emissions for following source.
2. Enter total source-level emission of each greenhouse gas.
Source: Ammonia Manufacturing (EPA Method)
Ammonia Manufacturing (EPA Method)
Load Source
Best Alternative Quantification Method(s) Used
U.S. EPA, 40 CFR Part 98, Mandatory Greenhouse Gas Reporting, Subparts A to Subpart PP
2006 IPCC Guidelines for National Greenhouse Gas Inventories – Volume 3 – Industrial Processes and Product
Environment Canada, Sector Specific Protocols and Guidance Manuals, posted on the Environment Canada website
CO2 Emissions Calculation Protocol for the Lime industry – English Units Version, February 5, 2008 Revision – National Lime Association
Methodology Manual – Estimation of Air Emissions from the Canadian Natural Gas Transmission, Storage and Distribution System, Prepared for Canadian Energy Partnership for Environmental Innovation (CEPEI), by Clearstone Engineering, September 25
American Petroleum Institute (API) Compendium of GHG Emission Methodology for the Oil and Gas Industry, August 2009
CO2 Accounting and reporting Standard for the Cement Industry, June 2005, Version 2.0, World Business Council for Sustainable Development
Calculation tools for Estimating Greenhouse Gas Emissions from Pulp and Paper Mils – Version 1.1, ICFPA/NCASI
Alternative Director approved method
Comments
GHG
GHG
N/A
Emissions (t)
Emissions (tCO2e)
CH4 (methane)
N2O (Nitrous oxides)
SF6 (Sulfur hexafluoride)
CO2 (carbon dioxide) from non-biomass
CO2 (carbon dioxide) from biomass
NF3 (Nitrogen trifluoride)

HFC

HFC	N/A	Emissions (t)	Emissions (tCO_2e)
HFC-23 (trifluoromethane)	☐		0
HFC-32 (difluoromethane)	☐		0
HFC-41 (fluoromethane)	☐		0
HFC-43-10mee (1,1,1,2,3,4,4,5,5,5-decafluoropentane)	☐		0
HFC-125 (pentafluoroethane)	☐		0
HFC-134 (1,1,2,2-tetrafluoroethane)	☐		0
HFC-134a (1,1,1,2-tetrafluoroethane)	☐		0
HFC-143 (1,1,2-trifluoroethane)	☐		0
HFC-143a (1,1,1-trifluoroethane)	☐		0
HFC-152a (1,1-difluoroethane)	☐		0
HFC-227ea (1,1,1,2,3,3,3-heptafluoropropane)	☐		0
HFC-236fa (1,1,1,3,3,3-hexafluoropropane)	☐		0
HFC-245ca (1,1,2,2,3-pentafluoropropane)	☐		0
HFC-152 (1,2-difluoroethane)	☐		0
HFC-161 (fluoroethane)	☐		0
HFC-236cb (1,1,1,2,2,3-hexafluoropropane)	☐		0
HFC-236ea (1,1,1,2,3,3-hexafluoropropane)	☐		0
HFC-245fa (1,1,1,3,3-pentafluoropropane)	☐		0
HFC-365mfc (1,1,1,3,3-pentafluorobutane)	☐		0

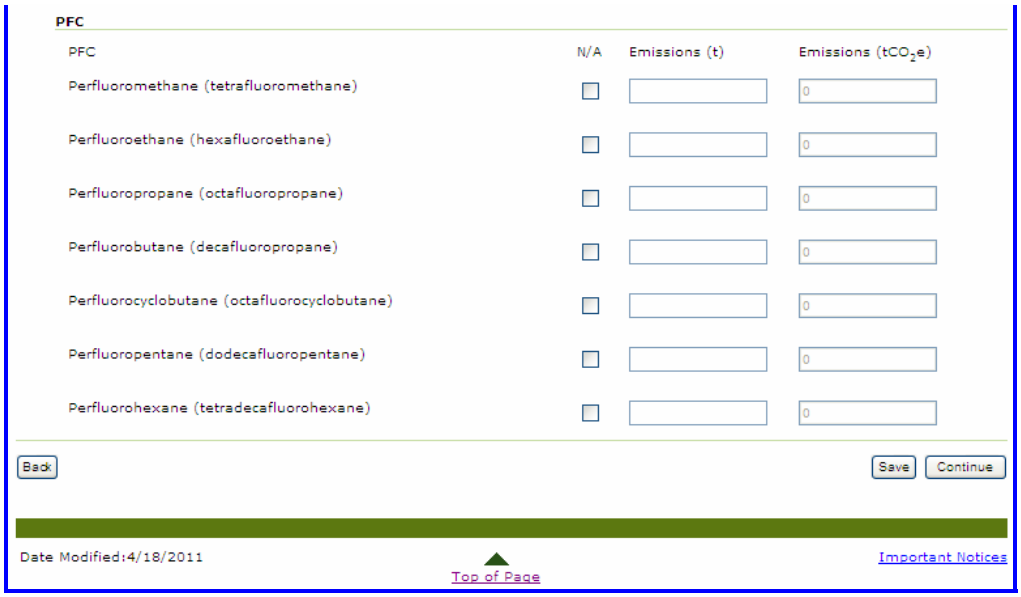


Figure 19.2-1: Example of a BAQM Reporting Page for Sources Quantified using USEPA Methods

19.3 DeMinimis

Enter the DeMinimis emissions for each GHG, HFC and PFC. Values of "0" may be entered.

Government of Canada
Gouvernement du Canada
Canada
OWNERS
www.ec.gc.ca
Français
Home
Contact Us
Help
Search
canada.gc.ca
2010 > ONGHG Testing 2010 > ONGHG Facility 6 > Guideline December 2009
Ontario GHG reporting
Administration
Select Reporting Period
Select Company
Facility Reporting
Help
Return to Secure Services
Log Out
Section A - GHG De MinimisEmissions
For detailed instructions, please click on the Help button above.
Source: Ammonia Manufacturing (EPA Method)
Ammonia Manufacturing (EPA Method)
Load Source
De minimis emissions quantified using methods other than the quantification methodologies set out in the Guidelines for Greenhouse Gas Emissions Reporting. Refer to O.Reg.452/09 section 4.3
GHG
GHG
Emissions (t)
Emissions (tCO2e)
CH4 (methane)
N2O (Nitrous oxides)
SF6 (Sulfur hexafluoride)
CO2 (carbon dioxide) from non-biomass
CO2 (carbon dioxide) from biomass
NF3 (Nitrogen trifluoride)

HFC

HFC	Emissions (t)	Emissions (tCO_2e)
HFC-23 (trifluoromethane)		0
HFC-32 (difluoromethane)		0
HFC-41 (fluoromethane)		0
HFC-43-10mee (1,1,1,2,3,4,4,5,5,5-decafluoropentane)		0
HFC-125 (pentafluoroethane)		0
HFC-134 (1,1,2,2-tetrafluoroethane)		0
HFC-134a (1,1,1,2-tetrafluoroethane)		0
HFC-143 (1,1,2-trifluoroethane)		0
HFC-143a (1,1,1-trifluoroethane)		0
HFC-152a (1,1-difluoroethane)		0
HFC-227ea (1,1,1,2,3,3,3-heptafluoropropane)		0
HFC-236fa (1,1,1,3,3,3-hexafluoropropane)		0
HFC-245ca (1,1,2,2,3-pentafluoropropane)		0
HFC-152 (1,2-difluoroethane)		0
HFC-161 (fluoroethane)		0
HFC-236cb (1,1,1,2,2,3-hexafluoropropane)		0
HFC-236ea (1,1,1,2,3,3-hexafluoropropane)		0
HFC-245fa (1,1,1,3,3-pentafluoropropane)		0
HFC-365mfc (1,1,1,3,3-pentafluorobutane)		0

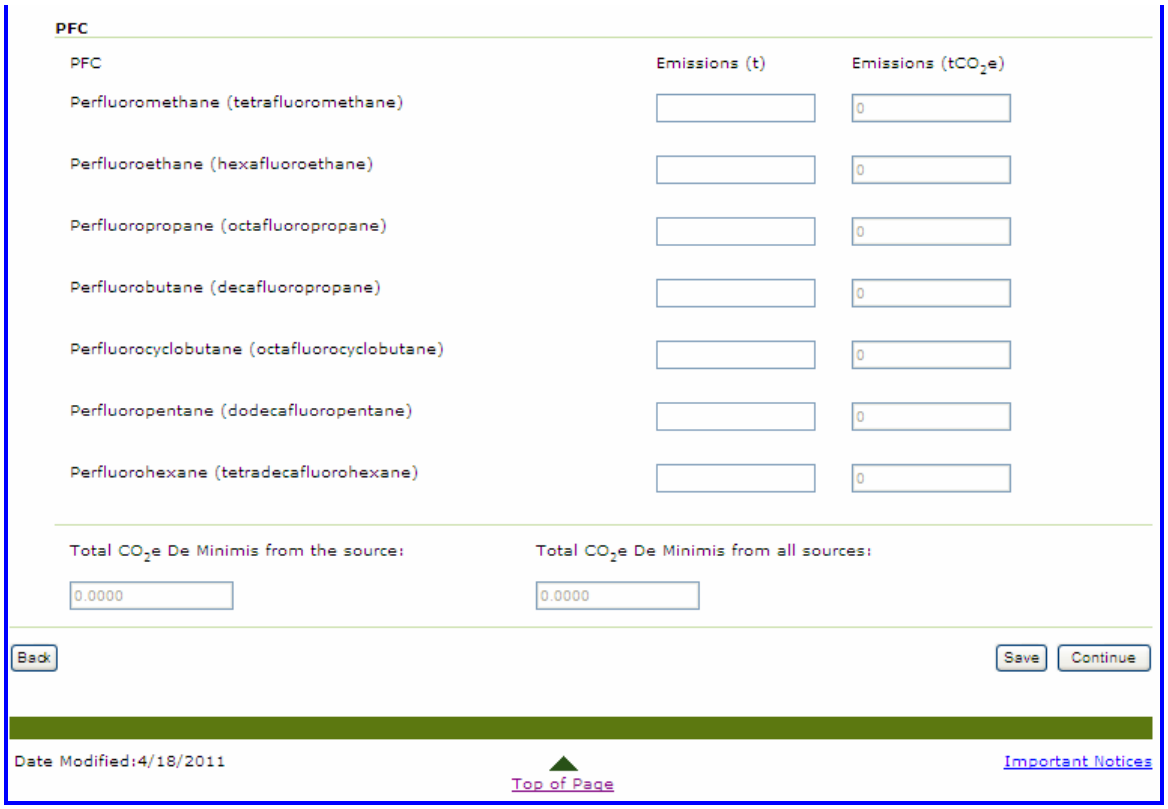


Figure 19.3-1: Example of a DeMinimis Reporting Page for Sources Quantified using USEPA Methods

19.4 Site Specific Emission Factor

To create a record for a site specific emissions factor, click '*Add New*'. To edit the record for a site specific emissions factor prior to submitting a report, click '*Edit*'. To delete the record for a site specific emissions factor prior to submitting a report, click '*Delete*'.

For site specific emissions factors, enter in text the emissions factor name (max of 50 characters). Enter the numeric value. For site specific unit, enter an alphanumeric value.

If you have more source specific emissions factor, select '*Add New*' button. All fields are mandatory (can't add a new factor until you complete the previous factor). You can edit and delete between the records you create for the different factors.

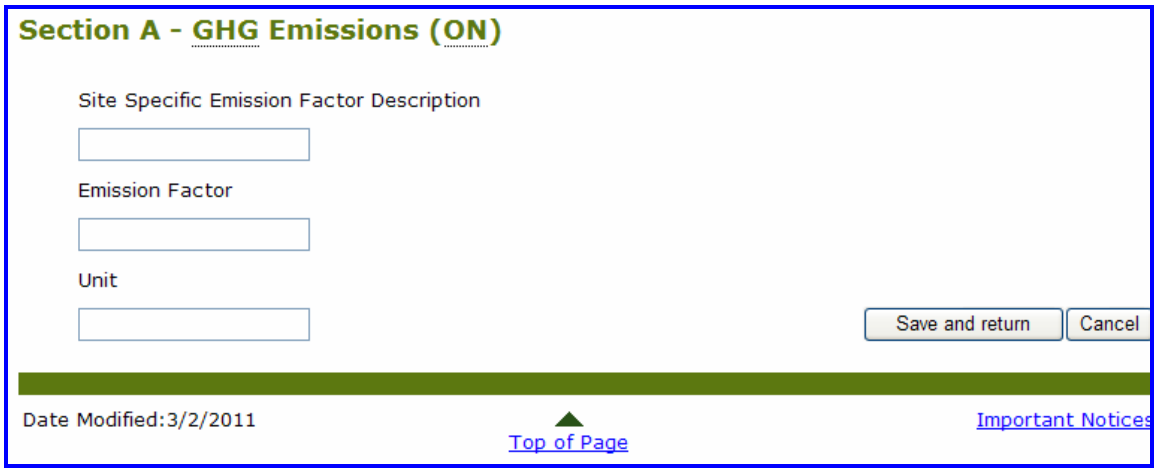


Figure 19.4-1: Site Specific Emission Factor

Select '*Save and Return*' button to go to the next screen to complete other source types. If all source types are complete, clicking continue will bring you to the next screen. The next screen will take you to quantify any CO2 captured at the facility including used, transferred or stored. Provide an amount or N/A. If CO2 is captured at the facility, provide an explanation on how the estimated total was determined and how the carbon dioxide may have been used, transferred or stored.

Click on '*Save*' and '*Continue*' to move on to Section B – Total GHG Emissions at Facility Level.

Section B – Total GHG Emissions at Facility Level

20 Total GHG Emissions at Facility Level

20.1 Summary of Reported Facility Emissions

This page presents a summary as required in O.Reg.452/09 s.6, based on the data entered by the user on the previous pages. You must return to the appropriate page to change any of this information.

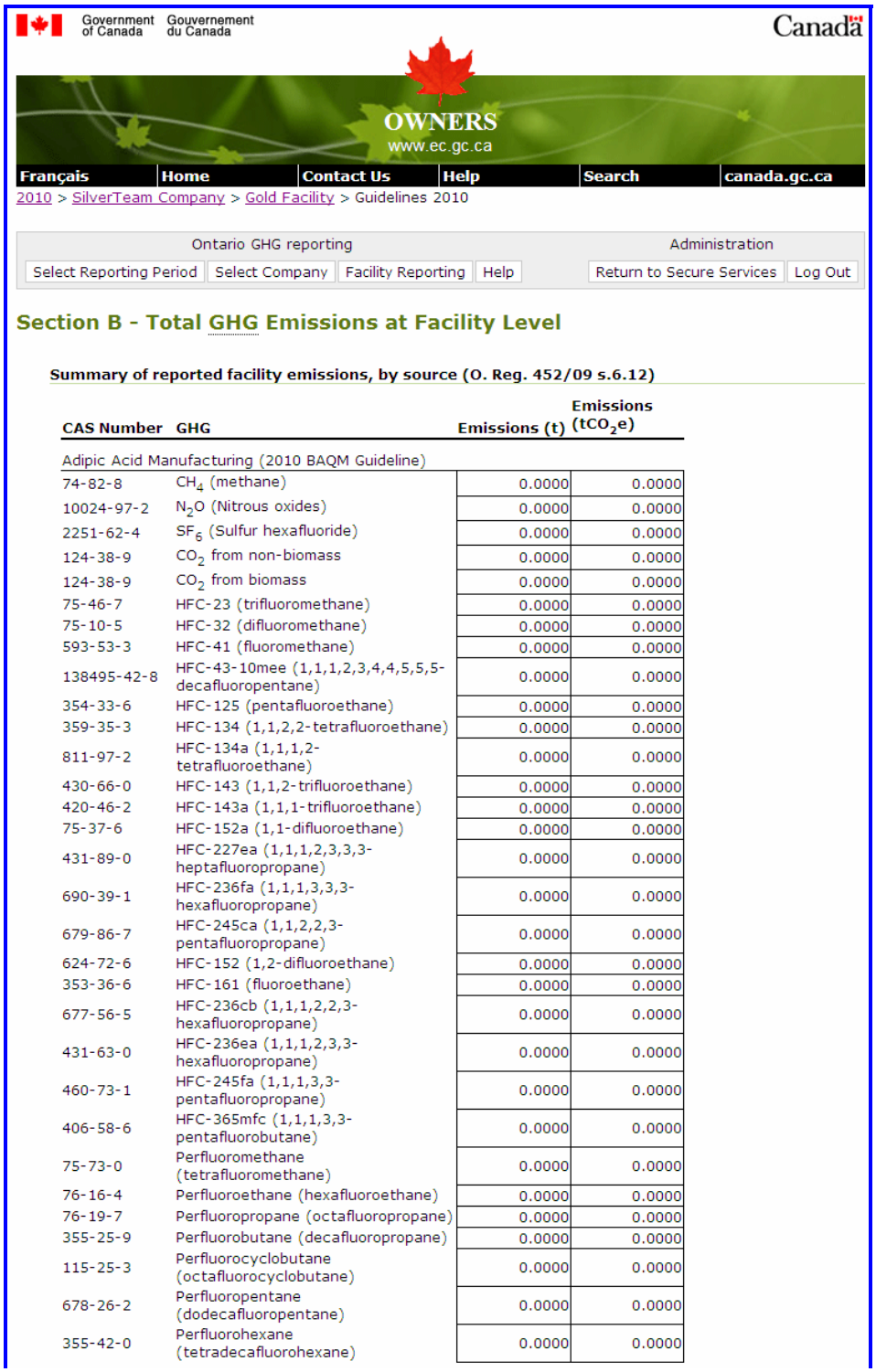
If you also have an obligation to report greenhouse gas emissions to Environment Canada (EC) for this facility, you will be able to preload applicable data where possible from this report into an EC report.

This Ontario report must be successfully submitted first in order to use the data pre-population feature when filling out your EC report for the same facility.

In your EC report, please ensure that you review and modify, where appropriate, the preloaded information to ensure it meets your reporting obligation to EC.

Please note, for the 2010 reporting year, you will only be able to use the pre-population feature if you reported your information into Ontario using the 2009 guideline screens. When available if you use the 2010 guideline screens to report into Ontario for the 2010 reporting year, you will not be able to use this data to pre-populate the federal GHG report at this time: this pre-population functionality will only be available for the 2011 reporting year and onwards.

Click on '*Continue*' to move on to Section E – Comments.



Section B - Total GHG Emissions at Facility Level

Summary of reported facility emissions, by source (O. Reg. 452/09 s.6.12)

CAS Number	GHG	Emissions (t)	Emissions (tCO_2e)
Adipic Acid Manufacturing (2010 BAQM Guideline)			
74-82-8	CH_4 (methane)	0.0000	0.0000
10024-97-2	N_2O (Nitrous oxides)	0.0000	0.0000
2251-62-4	SF_6 (Sulfur hexafluoride)	0.0000	0.0000
124-38-9	CO_2 from non-biomass	0.0000	0.0000
124-38-9	CO_2 from biomass	0.0000	0.0000
75-46-7	HFC-23 (trifluoromethane)	0.0000	0.0000
75-10-5	HFC-32 (difluoromethane)	0.0000	0.0000
593-53-3	HFC-41 (fluoromethane)	0.0000	0.0000
138495-42-8	HFC-43-10mee (1,1,1,2,3,4,4,5,5,5-decafluoropentane)	0.0000	0.0000
354-33-6	HFC-125 (pentafluoroethane)	0.0000	0.0000
359-35-3	HFC-134 (1,1,2,2-tetrafluoroethane)	0.0000	0.0000
811-97-2	HFC-134a (1,1,1,2-tetrafluoroethane)	0.0000	0.0000
430-66-0	HFC-143 (1,1,2-trifluoroethane)	0.0000	0.0000
420-46-2	HFC-143a (1,1,1-trifluoroethane)	0.0000	0.0000
75-37-6	HFC-152a (1,1-difluoroethane)	0.0000	0.0000
431-89-0	HFC-227ea (1,1,1,2,3,3,3-heptafluoropropane)	0.0000	0.0000
690-39-1	HFC-236fa (1,1,1,3,3,3-hexafluoropropane)	0.0000	0.0000
679-86-7	HFC-245ca (1,1,2,2,3-pentafluoropropane)	0.0000	0.0000
624-72-6	HFC-152 (1,2-difluoroethane)	0.0000	0.0000
353-36-6	HFC-161 (fluoroethane)	0.0000	0.0000
677-56-5	HFC-236cb (1,1,1,2,2,3-hexafluoropropane)	0.0000	0.0000
431-63-0	HFC-236ea (1,1,1,2,3,3-hexafluoropropane)	0.0000	0.0000
460-73-1	HFC-245fa (1,1,1,3,3-pentafluoropropane)	0.0000	0.0000
406-58-6	HFC-365mfc (1,1,1,3,3-pentafluorobutane)	0.0000	0.0000
75-73-0	Perfluoromethane (tetrafluoromethane)	0.0000	0.0000
76-16-4	Perfluoroethane (hexafluoroethane)	0.0000	0.0000
76-19-7	Perfluoropropane (octafluoropropane)	0.0000	0.0000
355-25-9	Perfluorobutane (decafluoropropane)	0.0000	0.0000
115-25-3	Perfluorocyclobutane (octafluorocyclobutane)	0.0000	0.0000
678-26-2	Perfluoropentane (dodecafluoropentane)	0.0000	0.0000
355-42-0	Perfluorohexane (tetradecafluorohexane)	0.0000	0.0000

Ammonia Manufacturing (EPA Method) (2010 BAQM Guideline)

74-82-8	CH_4 (methane)	1.0000	21.0000
10024-97-2	N_2O (Nitrous oxides)	1.0000	310.0000
2251-62-4	SF_6 (Sulfur hexafluoride)	1.0000	23900.0000
124-38-9	CO_2 from non-biomass	1.0000	1.0000
124-38-9	CO_2 from biomass	1.0000	1.0000
75-46-7	HFC-23 (trifluoromethane)	2.0000	23400.0000
75-10-5	HFC-32 (difluoromethane)	2.0000	1300.0000
593-53-3	HFC-41 (fluoromethane)	2.0000	300.0000
138495-42-8	HFC-43-10mee (1,1,1,2,3,4,4,5,5,5-decafluoropentane)	2.0000	2600.0000
354-33-6	HFC-125 (pentafluoroethane)	2.0000	5600.0000
359-35-3	HFC-134 (1,1,2,2-tetrafluoroethane)	2.0000	2000.0000
811-97-2	HFC-134a (1,1,1,2-tetrafluoroethane)	2.0000	2600.0000
430-66-0	HFC-143 (1,1,2-trifluoroethane)	2.0000	600.0000
420-46-2	HFC-143a (1,1,1-trifluoroethane)	2.0000	7600.0000
75-37-6	HFC-152a (1,1-difluoroethane)	2.0000	280.0000
431-89-0	HFC-227ea (1,1,1,2,3,3,3-heptafluoropropane)	2.0000	5800.0000
690-39-1	HFC-236fa (1,1,1,3,3,3-hexafluoropropane)	2.0000	12600.0000
679-86-7	HFC-245ca (1,1,2,2,3-pentafluoropropane)	2.0000	1120.0000
624-72-6	HFC-152 (1,2-difluoroethane)	2.0000	86.0000
353-36-6	HFC-161 (fluoroethane)	2.0000	24.0000
677-56-5	HFC-236cb (1,1,1,2,2,3-hexafluoropropane)	2.0000	2600.0000
431-63-0	HFC-236ea (1,1,1,2,3,3-hexafluoropropane)	2.0000	2400.0000
460-73-1	HFC-245fa (1,1,1,3,3-pentafluoropropane)	2.0000	1900.0000
406-58-6	HFC-365mfc (1,1,1,3,3-pentafluorobutane)	2.0000	1780.0000
75-73-0	Perfluoromethane (tetrafluoromethane)	3.0000	19500.0000
76-16-4	Perfluoroethane (hexafluoroethane)	3.0000	27600.0000
76-19-7	Perfluoropropane (octafluoropropane)	3.0000	21000.0000
355-25-9	Perfluorobutane (decafluoropropane)	3.0000	21000.0000
115-25-3	Perfluorocyclobutane (octafluorocyclobutane)	3.0000	26100.0000
678-26-2	Perfluoropentane (dodecafluoropentane)	3.0000	22500.0000
355-42-0	Perfluorohexane (tetradecafluorohexane)	3.0000	22200.0000

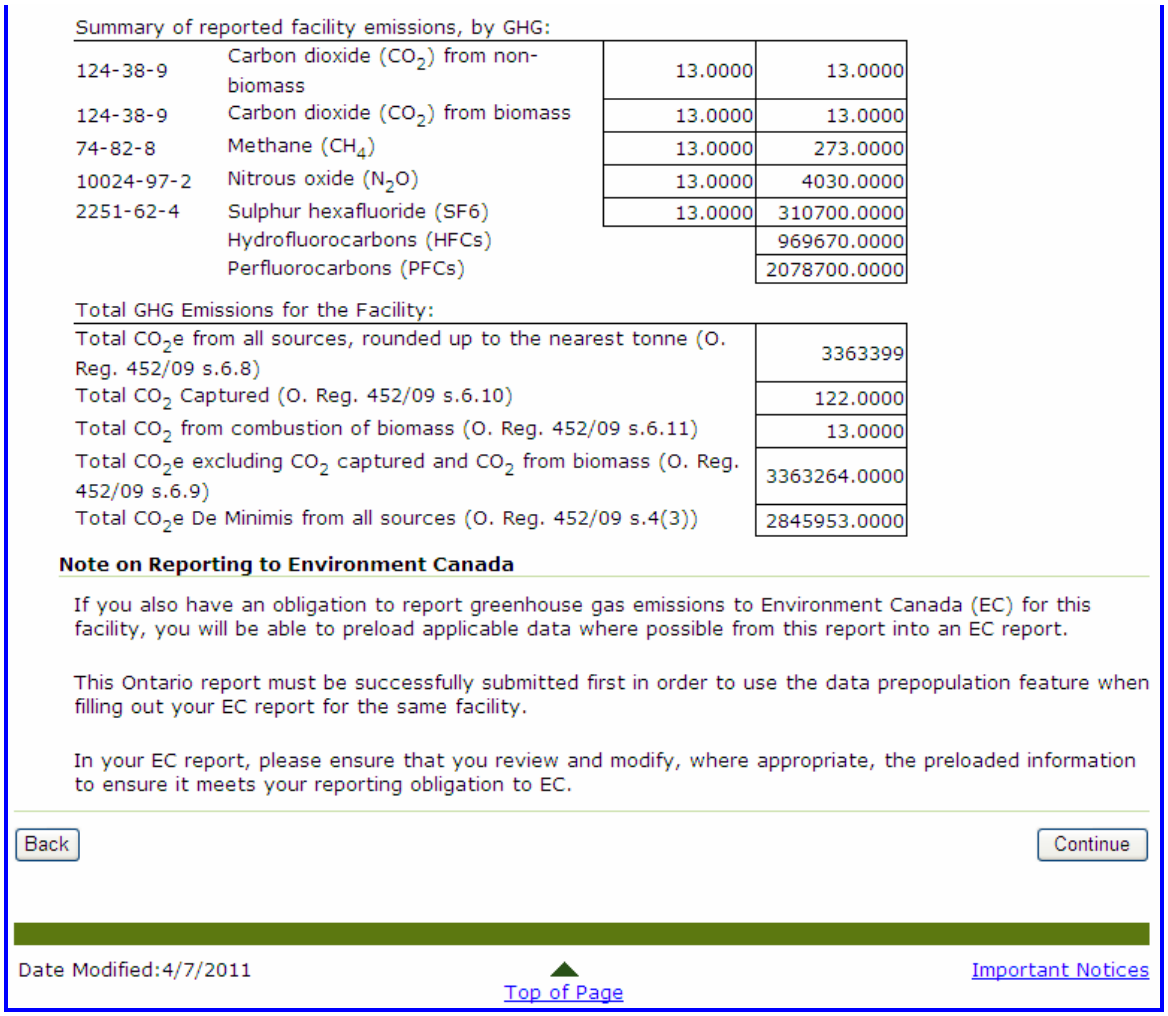
Ammonia Manufacturing (EPA Method) (2010 De Minimis Guideline)

74-82-8	CH_4 (methane)	11.0000	231.0000
10024-97-2	N_2O (Nitrous oxides)	11.0000	3410.0000
2251-62-4	SF_6 (Sulfur hexafluoride)	11.0000	262900.0000
124-38-9	CO_2 from non-biomass	11.0000	11.0000
124-38-9	CO_2 from biomass	11.0000	11.0000
75-46-7	HFC-23 (trifluoromethane)	22.0000	257400.0000
75-10-5	HFC-32 (difluoromethane)	22.0000	14300.0000
593-53-3	HFC-41 (fluoromethane)	22.0000	3300.0000
138495-42-8	HFC-43-10mee (1,1,1,2,3,4,4,5,5,5-decafluoropentane)	22.0000	28600.0000
354-33-6	HFC-125 (pentafluoroethane)	22.0000	61600.0000
359-35-3	HFC-134 (1,1,2,2-tetrafluoroethane)	22.0000	22000.0000
811-97-2	HFC-134a (1,1,1,2-tetrafluoroethane)	22.0000	28600.0000
430-66-0	HFC-143 (1,1,2-trifluoroethane)	22.0000	6600.0000
420-46-2	HFC-143a (1,1,1-trifluoroethane)	22.0000	83600.0000
75-37-6	HFC-152a (1,1-difluoroethane)	22.0000	3080.0000
431-89-0	HFC-227ea (1,1,1,2,3,3,3-heptafluoropropane)	22.0000	63800.0000
690-39-1	HFC-236fa (1,1,1,3,3,3-hexafluoropropane)	22.0000	138600.0000
679-86-7	HFC-245ca (1,1,2,2,3-pentafluoropropane)	22.0000	12320.0000
624-72-6	HFC-152 (1,2-difluoroethane)	22.0000	946.0000
353-36-6	HFC-161 (fluoroethane)	22.0000	264.0000
677-56-5	HFC-236cb (1,1,1,2,2,3-hexafluoropropane)	22.0000	28600.0000
431-63-0	HFC-236ea (1,1,1,2,3,3-hexafluoropropane)	22.0000	26400.0000
460-73-1	HFC-245fa (1,1,1,3,3-pentafluoropropane)	22.0000	20900.0000
406-58-6	HFC-365mfc (1,1,1,3,3-pentafluorobutane)	22.0000	19580.0000
75-73-0	Perfluoromethane (tetrafluoromethane)	33.0000	214500.0000
76-16-4	Perfluoroethane (hexafluoroethane)	33.0000	303600.0000
76-19-7	Perfluoropropane (octafluoropropane)	33.0000	231000.0000
355-25-9	Perfluorobutane (decafluoropropane)	33.0000	231000.0000
115-25-3	Perfluorocyclobutane (octafluorocyclobutane)	33.0000	287100.0000
678-26-2	Perfluoropentane (dodecafluoropentane)	33.0000	247500.0000

Ammonia Manufacturing (EPA Method) (2010 SQM Guideline)

74-82-8	CH_4 (methane)	1.0000	21.0000
10024-97-2	N_2O (Nitrous oxides)	1.0000	310.0000
2251-62-4	SF_6 (Sulfur hexafluoride)	1.0000	23900.0000
124-38-9	CO_2 from non-biomass	1.0000	1.0000
124-38-9	CO_2 from biomass	1.0000	1.0000
75-46-7	HFC-23 (trifluoromethane)	2.0000	23400.0000
75-10-5	HFC-32 (difluoromethane)	2.0000	1300.0000
593-53-3	HFC-41 (fluoromethane)	2.0000	300.0000
138495-42-8	HFC-43-10mee (1,1,1,2,3,4,4,5,5,5-decafluoropentane)	2.0000	2600.0000
354-33-6	HFC-125 (pentafluoroethane)	2.0000	5600.0000
359-35-3	HFC-134 (1,1,2,2-tetrafluoroethane)	2.0000	2000.0000
811-97-2	HFC-134a (1,1,1,2-tetrafluoroethane)	2.0000	2600.0000
430-66-0	HFC-143 (1,1,2-trifluoroethane)	2.0000	600.0000
420-46-2	HFC-143a (1,1,1-trifluoroethane)	2.0000	7600.0000
75-37-6	HFC-152a (1,1-difluoroethane)	2.0000	280.0000
431-89-0	HFC-227ea (1,1,1,2,3,3,3-heptafluoropropane)	2.0000	5800.0000
690-39-1	HFC-236fa (1,1,1,3,3,3-hexafluoropropane)	2.0000	12600.0000
679-86-7	HFC-245ca (1,1,2,2,3-pentafluoropropane)	2.0000	1120.0000
624-72-6	HFC-152 (1,2-difluoroethane)	2.0000	86.0000
353-36-6	HFC-161 (fluoroethane)	2.0000	24.0000
677-56-5	HFC-236cb (1,1,1,2,2,3-hexafluoropropane)	2.0000	2600.0000
431-63-0	HFC-236ea (1,1,1,2,3,3-hexafluoropropane)	2.0000	2400.0000
460-73-1	HFC-245fa (1,1,1,3,3-pentafluoropropane)	2.0000	1900.0000
406-58-6	HFC-365mfc (1,1,1,3,3-pentafluorobutane)	2.0000	1780.0000
75-73-0	Perfluoromethane (tetrafluoromethane)	3.0000	19500.0000
76-16-4	Perfluoroethane (hexafluoroethane)	3.0000	27600.0000
76-19-7	Perfluoropropane (octafluoropropane)	3.0000	21000.0000
355-25-9	Perfluorobutane (decafluoropropane)	3.0000	21000.0000
115-25-3	Perfluorocyclobutane (octafluorocyclobutane)	3.0000	26100.0000
678-26-2	Perfluoropentane (dodecafluoropentane)	3.0000	22500.0000
355-42-0	Perfluorohexane (tetradecafluorohexane)	3.0000	22200.0000

Carbonates Use (EPA Method) (2010 De Minimis Guideline)			
74-82-8	CH_4 (methane)	0.0000	0.0000
10024-97-2	N_2O (Nitrous oxides)	0.0000	0.0000
2251-62-4	SF_6 (Sulfur hexafluoride)	0.0000	0.0000
124-38-9	CO_2 from non-biomass	0.0000	0.0000
124-38-9	CO_2 from biomass	0.0000	0.0000
75-46-7	HFC-23 (trifluoromethane)	0.0000	0.0000
75-10-5	HFC-32 (difluoromethane)	0.0000	0.0000
593-53-3	HFC-41 (fluoromethane)	0.0000	0.0000
138495-42-8	HFC-43-10mee (1,1,1,2,3,4,4,5,5,5-decafluoropentane)	0.0000	0.0000
354-33-6	HFC-125 (pentafluoroethane)	0.0000	0.0000
359-35-3	HFC-134 (1,1,2,2-tetrafluoroethane)	0.0000	0.0000
811-97-2	HFC-134a (1,1,1,2-tetrafluoroethane)	0.0000	0.0000
430-66-0	HFC-143 (1,1,2-trifluoroethane)	0.0000	0.0000
420-46-2	HFC-143a (1,1,1-trifluoroethane)	0.0000	0.0000
75-37-6	HFC-152a (1,1-difluoroethane)	0.0000	0.0000
431-89-0	HFC-227ea (1,1,1,2,3,3,3-heptafluoropropane)	0.0000	0.0000
690-39-1	HFC-236fa (1,1,1,3,3,3-hexafluoropropane)	0.0000	0.0000
679-86-7	HFC-245ca (1,1,2,2,3-pentafluoropropane)	0.0000	0.0000
624-72-6	HFC-152 (1,2-difluoroethane)	0.0000	0.0000
353-36-6	HFC-161 (fluoroethane)	0.0000	0.0000
677-56-5	HFC-236cb (1,1,1,2,2,3-hexafluoropropane)	0.0000	0.0000
431-63-0	HFC-236ea (1,1,1,2,3,3-hexafluoropropane)	0.0000	0.0000
460-73-1	HFC-245fa (1,1,1,3,3-pentafluoropropane)	0.0000	0.0000
406-58-6	HFC-365mfc (1,1,1,3,3-pentafluorobutane)	0.0000	0.0000
75-73-0	Perfluoromethane (tetrafluoromethane)	0.0000	0.0000
76-16-4	Perfluoroethane (hexafluoroethane)	0.0000	0.0000
76-19-7	Perfluoropropane (octafluoropropane)	0.0000	0.0000
355-25-9	Perfluorobutane (decafluoropropane)	0.0000	0.0000
115-25-3	Perfluorocyclobutane (octafluorocyclobutane)	0.0000	0.0000
678-26-2	Perfluoropentane (dodecafluoropentane)	0.0000	0.0000
355-42-0	Perfluorohexane (tetradecafluorohexane)	0.0000	0.0000



Summary of reported facility emissions, by GHG:

124-38-9	Carbon dioxide (CO_2) from non-biomass	13.0000	13.0000
124-38-9	Carbon dioxide (CO_2) from biomass	13.0000	13.0000
74-82-8	Methane (CH_4)	13.0000	273.0000
10024-97-2	Nitrous oxide (N_2O)	13.0000	4030.0000
2251-62-4	Sulphur hexafluoride (SF6)	13.0000	310700.0000
	Hydrofluorocarbons (HFCs)		969670.0000
	Perfluorocarbons (PFCs)		2078700.0000

Total GHG Emissions for the Facility:

Total CO_2e from all sources, rounded up to the nearest tonne (O. Reg. 452/09 s.6.8)	3363399
Total CO_2 Captured (O. Reg. 452/09 s.6.10)	122.0000
Total CO_2 from combustion of biomass (O. Reg. 452/09 s.6.11)	13.0000
Total CO_2e excluding CO_2 captured and CO_2 from biomass (O. Reg. 452/09 s.6.9)	3363264.0000
Total CO_2e De Minimis from all sources (O. Reg. 452/09 s.4(3))	2845953.0000

Note on Reporting to Environment Canada

If you also have an obligation to report greenhouse gas emissions to Environment Canada (EC) for this facility, you will be able to preload applicable data where possible from this report into an EC report.

This Ontario report must be successfully submitted first in order to use the data prepopulation feature when filling out your EC report for the same facility.

In your EC report, please ensure that you review and modify, where appropriate, the preloaded information to ensure it meets your reporting obligation to EC.

Back Continue

Date Modified:4/7/2011 Top of Page Important Notices

Figure 20.1-1: Summary of Reported Facility Emissions

20.2 DeMinimis Emissions Error Check for Section B

DeMinimis emissions cannot exceed the lesser of three percent of the total CO2e generated from all sources at the facility and 20,000 tonnes, according to O.Reg.452/09 s.4(3).

If the DeMinimis emissions exceeds either of these, an error will appear on top of Section B. In this case, you need to go '*Back*' and verify if the DeMinimis emissions are correct or change the method to either SQM or BAQM.

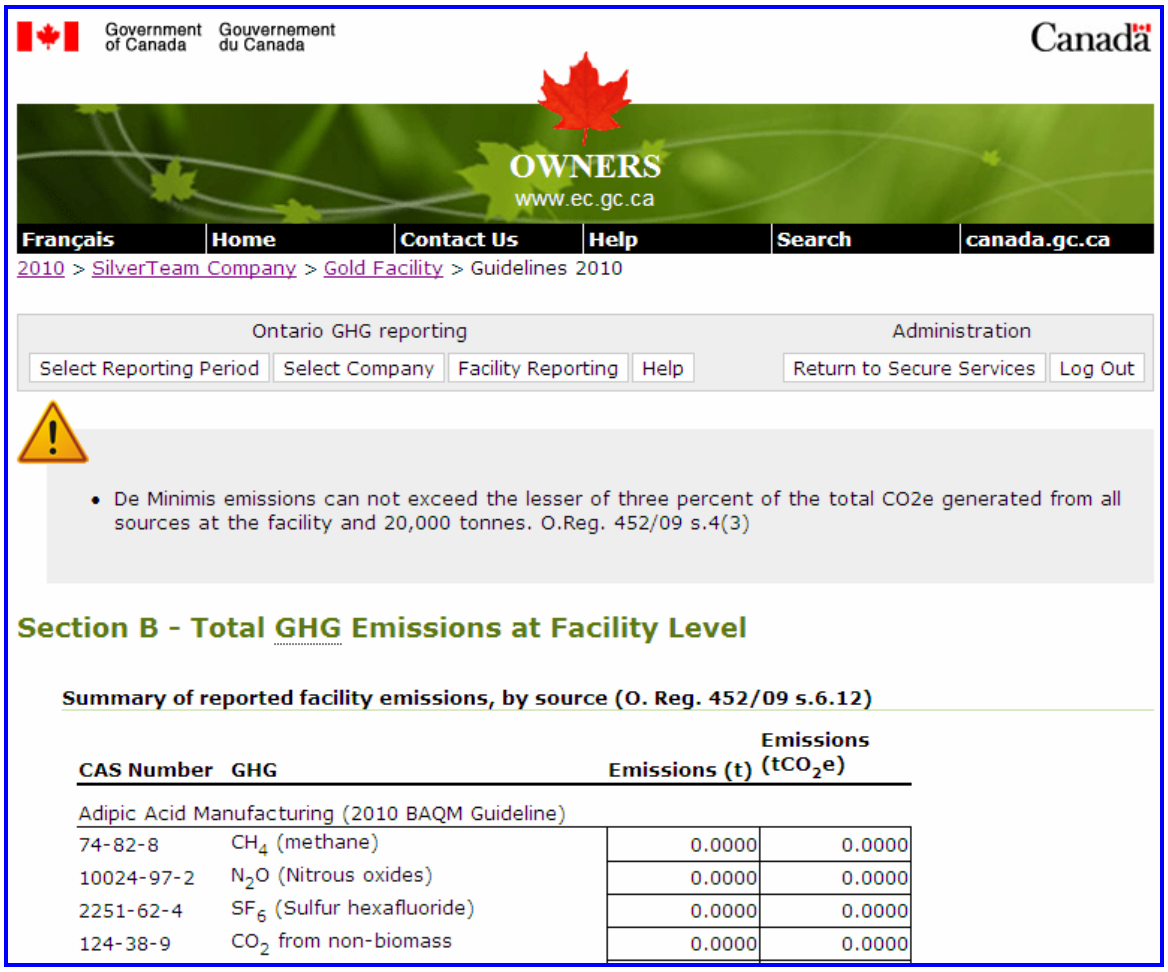

Government of Canada
Gouvernement du Canada
Canada
OWNERS
www.ec.gc.ca
Français
Home
Contact Us
Help
Search
canada.gc.ca
2010 > SilverTeam Company > Gold Facility > Guidelines 2010
Ontario GHG reporting
Administration
Select Reporting Period
Select Company
Facility Reporting
Help
Return to Secure Services
Log Out
• De Minimis emissions can not exceed the lesser of three percent of the total CO2e generated from all sources at the facility and 20,000 tonnes. O.Reg. 452/09 s.4(3)
Section B - Total GHG Emissions at Facility Level
Summary of reported facility emissions, by source (O. Reg. 452/09 s.6.12)
CAS Number GHG Emissions (t) Emissions (tCO2e)
Adipic Acid Manufacturing (2010 BAQM Guideline)
74-82-8 CH4 (methane) 0.0000 0.0000
10024-97-2 N2O (Nitrous oxides) 0.0000 0.0000
2251-62-4 SF6 (Sulfur hexafluoride) 0.0000 0.0000
124-38-9 CO2 from non-biomass 0.0000 0.0000

Figure 20.2-1: DeMinimis Error Check

Section E Comments

21 Comments

21.1 Emissions Report Comments

The numeric fields on previous pages for identification pages have been limited to a total of 13 characters, including up to 4 decimal places. Please use this section to report those values that you could not enter precisely due to this limitation. Include the following information with your value (as applicable):

1. source
2. source type
3. GHG
4. name of the numeric field that corresponds to the value (e.g., emissions)
5. units

You may also use this section to provide any other comments about your emissions report.

This section is optional.

- Enter any comments you wish to include related to the information you have reported.
- Comments provided are not published.
- You may provide additional comments related to the reported GHG emissions data to better explain your information. (e.g. justification of any large changes in emissions from the previous year.)
- Enter your company or facility website if you wish to provide more information. (e.g. contextual information on environmental activities, etc.)

Once finished, click on '*Save*' and then '*Done*' to move on to submitting the report.

Government of Canada
Gouvernement du Canada
Canada
OWNERS
www.ec.gc.ca
Français
Home
Contact Us
Help
Search
canada.gc.ca
2010 > SilverTeam Company > Gold Facility > Guidelines 2010
Ontario GHG reporting
Administration
Select Reporting Period
Select Company
Facility Reporting
Help
Return to Secure Services
Log Out
Section E - Comments
This section is optional.
Enter any comments you wish to include related to the information you have reported.
Comments provided are not published.
You may provide additional comments related to the reported GHG emissions data to better explain your information. (e.g. justification of any large changes in emissions from the previous year.)
Enter your company or facility website if you wish to provide more information. (e.g. contextual information on environmental activities, etc.)
Comments: (max 4000 characters)
Website:
Back
Save
Done
Date Modified:4/7/2011
Top of Page
Important Notices

Figure 21.1-1: Emissions Report Comments

22 Facility Reporting

22.1 Facility Reporting and Submitting

You will be returned to the facility page where you now have the action of "submit" available to you in the drop down box. Check off the option button and select '*Submit*' from the drop down menu then '*Continue*':

Government of Canada
Gouvernement du Canada
Canada
OWNERS
www.ec.gc.ca
Français
Home
Contact Us
Help
Search
canada.gc.ca
2010 > ONGHG Testing 2010 > Facility Reporting
Ontario GHG reporting
Administration
Select Reporting Period
Select Company
Facility Reporting
Help
Return to Secure Services
Log Out
Facility Reporting
The list below contains the facilities you have access to under the selected company. A set of actions is available for each facility. The available actions change depending on the report status. Select the facility to report on using the selection button, choose an action, and click Continue to proceed. If a facility is missing from the list, return to Secure Services to add it or request access to report to Ontario GHG reporting for it. Click 'Help' above for more information.
- Company
ONGHG Testing 2010 (ONGHG_ORG_ADMIN)
123 Queen Street Toronto(Ontario)
- Facility List
Facility
Report Status
Action(s)
ONGHG Facility 3
125 Resources Road Toronto(Ontario)
Complete (2/2)
Submit
Edit
Submit
Delete
Back
Continue

Figure 22.1-1: Facility Reporting Page

The system will perform a check of all the information submitted in secure services to ensure you have completed the mandatory fields.

If there is something missing this will be flagged and you must complete the field before you can submit. You can return to secure services using the menu on the top.

Your information will be saved in OWNERS, therefore you can move between OWNERS and secure services. When you return from secure services you will not go directly back to this page but will have to identify which company and

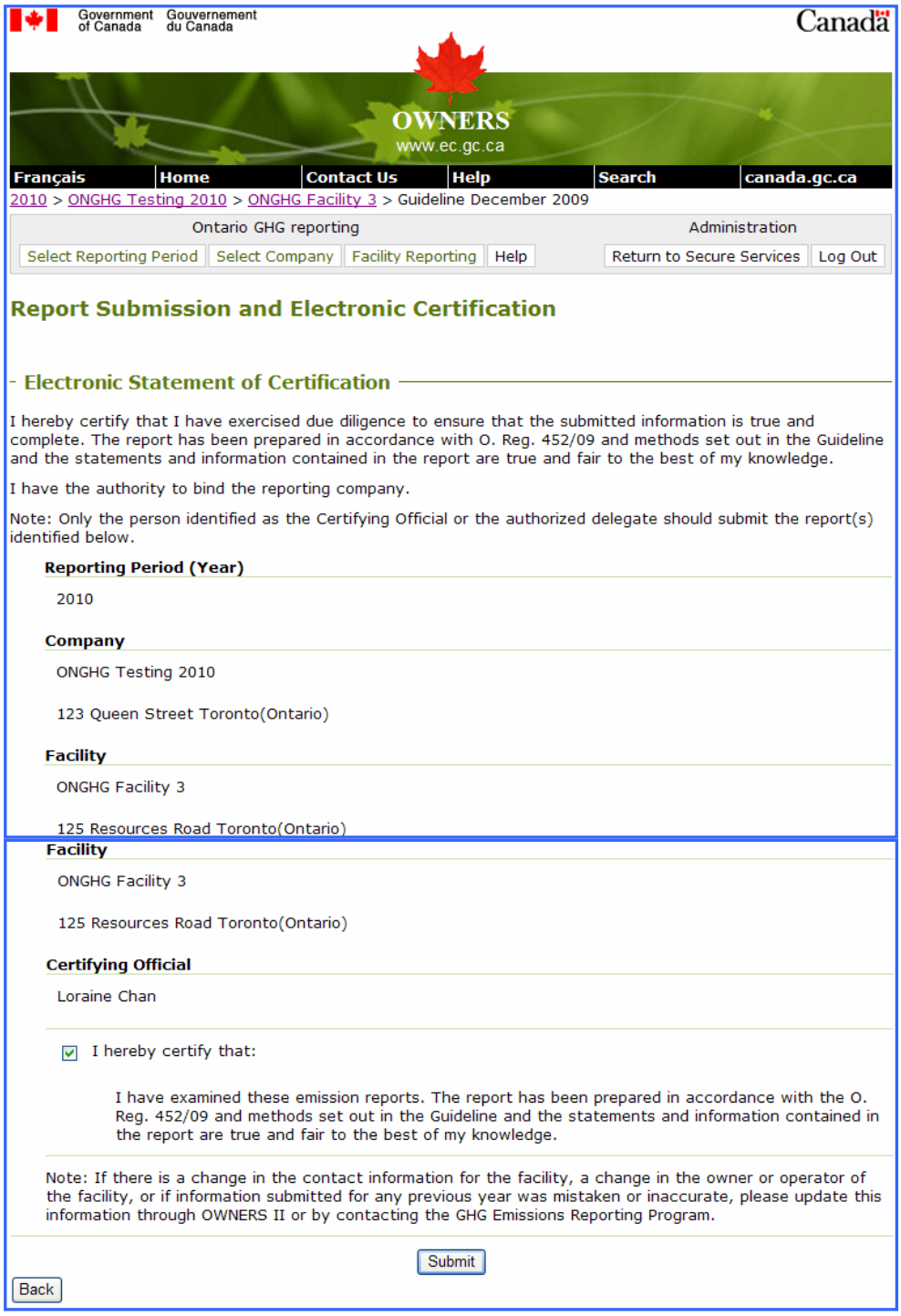
facility you are reporting for first and then you will proceed to the certification page.

Government of Canada
Gouvernement du Canada
Canada
OWNERS
www.ec.gc.ca
Français
Home
Contact Us
Help
Search
canada.gc.ca
2010 > ONGHG Testing 2010 > ONGHG Facility 3 > Select the Guideline
Ontario GHG reporting
Administration
Select Reporting Period
Select Company
Facility Reporting
Help
Return to Secure Services
Log Out
Tombstone Information is Incomplete
The minimum tombstone data elements required to submit a report under O. Reg. 452/09 have not been provided. Please return to Secure Services to update the fields noted below before submitting the report.
Missing or Invalid Data Elements for Contacts
Loraine Chan
• The value ' ' for Telephone is invalid, please correct value

Figure 22.1-2: Incomplete Mandatory Data

Once all mandatory tombstone data is completed then you will move onto the certification page.

The certifying official, who is the person authorized by the company to certify and submit a report must check off the check box on this page and select submit.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Report Submission and Electronic Certification
Electronic Statement of Certification
I hereby certify that I have exercised due diligence to ensure that the submitted information is true and complete. The report has been prepared in accordance with O. Reg. 452/09 and methods set out in the Guideline and the statements and information contained in the report are true and fair to the best of my knowledge.
I have the authority to bind the reporting company.
Note: Only the person identified as the Certifying Official or the authorized delegate should submit the report(s) identified below.
Reporting Period (Year)
2010
Company
ONGHG Testing 2010
123 Queen Street Toronto(Ontario)
Facility
ONGHG Facility 3
125 Resources Road Toronto(Ontario)
Facility
ONGHG Facility 3
125 Resources Road Toronto(Ontario)
Certifying Official
Loraine Chan
I hereby certify that:
I have examined these emission reports. The report has been prepared in accordance with the O. Reg. 452/09 and methods set out in the Guideline and the statements and information contained in the report are true and fair to the best of my knowledge.
Note: If there is a change in the contact information for the facility, a change in the owner or operator of the facility, or if information submitted for any previous year was mistaken or inaccurate, please update this information through OWNERS II or by contacting the GHG Emissions Reporting Program.
Submit
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Figure 22.1-3: Report Submission and Electronic Certification

Figure 22.1-4: Confirmation of Submission